

19970827.qrp v00_n830.qrs.970827

>From ???@??? Wed Aug 27 20:40:26 1997

Date: Wed, 27 Aug 1997 19:03:12 EDT

Subject: QRP-L digest 830

Message-Id: <97Aug27.190602edt.35044-22108+206@fidoii.cc.Lehigh.EDU>

QRP-L Digest 830

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- 1) [25514] IARU Beacon Update -- PSE READ
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- 2) [25517] The toroid program on the norcal page.
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- 3) [25518] NCDXF/IARU International Beacon Network
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- 4) [25519] NCDXF Beacon Web site
by n4so@juno.com (charles k brown)
- 5) [25520] Shorted turns - getting long!
by Dale LeDoux <dledoux@laci.net>
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by Larry Trullinger <kb0emb@swbell.net>
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by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
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by D Limbrick <DAVLIM@extra.co.nz>
- 10) [25525] CQC W5SB
by AlK0FRP@aol.com
- 11) [25526] Dremel tools and the like.....
by n5inz@juno.com
- 12) [25527] Color burst characteristics?
by Bill Meara <wmeara@erols.com>
- 13) [25528] More on shorted turns
by Mike Czuhajewski <wa8mcq@u1.abs.net>
- 14) [25529] Potato Cannon Horror tales
by rerobins@unccvm.uncc.edu (Rick Robinson)
- 15) [25530] QRP AField Info
by Jerry Parker <jparker@fix.net>
- 16) [25531] RE: Potato Cannon Horror tales
by "Pat A. Taber" <pat@vtpo1.genrad.com>
- 17) [25532] QRP Contests
by wa5whn@juno.com
- 18) [25533] Re: Disguising Antennas with Paint?
by wb2vuo@juno.com (William K Hibbert)
- 19) [25534] Molded Inductor Color Codes

- by Union Texas Petrochemicals <stevensj@sound.net>
- 20) [25535] information sources
by kq0i@juno.com (Mark R Milburn)
 - 21) [25536] Re: information sources
by Bill Todd <bill@techline.com>
 - 22) [25537] s-38 /38-s correction
by W7GVN@aol.com
 - 23) [25538] Flux forcast is UP !
by "Bruce Barley" <lbbarley@feist.com>
 - 24) [25539] Where to get 38 Spl?
by ROBERT PENNEYS <radio@UDel.Edu>
 - 25) [25540] WTB 20meter kit/rig
by ab5uacw@juno.com (Clifton W Sikes)
 - 26) [25541] Last weekend and next..
by AE0Q V31RY <v31ry@ix.netcom.com>
 - 27) [25542] Re: Mizuho, St. Louis tuner
by "Frank, G3YCC." <g3ycc@gqrpclub.demon.co.uk>
 - 28) [25543] Re: Help for college Ham club needed
by Ed Loranger <we6w@qsl.net>
 - 29) [25544] QRP Calling Freq. for 17m
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
 - 30) [25545] CQC
by Ken Newman <n2cq@comten.com>
 - 31) [25546] Re: information sources
by "Phil, K6LS" <k6ls@qsl.net>
 - 32) [25547] Re: CQC W5SB
by Bill Morris Denton <bdenton@tenet.edu>
 - 33) [25548] Re: QRP Calling Freq. for 17m
by adams@chuck.dallas.sgi.com (Chuck Adams)
 - 34) [25549] FS: QRP ++ Travel Station \$600.00
by "N4ELM" <n4elm@ipass.net>
 - 35) [25550] Re: coax help!!!!
by Ed Loranger <we6w@qsl.net>
 - 36) [25551] CQC W5SB
by flydnq7x@primenet.com (Floyd Smithberg)
 - 37) [25552] Solar flux and 10m openings
by AE0Q V31RY <v31ry@ix.netcom.com>
 - 38) [25553] unsubscribe
by ken crips <kk7cm@rocketmail.com>
 - 39) [25554] Re: CQC W5SB
by Bill Morris Denton <bdenton@tenet.edu>
 - 40) [25555] Re: Dremel tools and the like.....
by n5inz@juno.com
 - 41) [25556] Re: QRP Calling Freq. for 17m
by Monte Stark <ku7y@sage.dri.edu>
 - 42) [25557] Re: Aerial hardware again
by Ed Tanton <n4xy@bellsouth.net>
 - 43) [25558] Key contact material?

by doug hauff <slmachco@fix.net>
44) [25559] Re: CQC W5SB
by N4JS <n4js@amsat.org>
45) [25560] CQC W5SB
by "Larry McCain" <lmccain@bjsservices.com>
46) [25561] Re: Aerial hardware again
by wb2vuo@juno.com (William K Hibbert)
47) [25562] Re: CQC W5SB
by "Phil, K6LS" <k6ls@qsl.net>
48) [25563] Re: Schematic wanted for Atlas 210X
by "J. Skalski" <jskalski@acsu.buffalo.edu>
49) [25564] Re: information sources
by Bob Roach <KE4QOK@worldnet.att.net>
50) [25565] CQC W5SB
by David Clemons <dave@egh.com>
51) [25566] Re: CQC W5SB
by John Evans - N0HJ <jaevens@codenet.net>
52) [25567] Away but not forgotten!
by cjsterl@ix.netcom.com (Craig J. Sterling)
53) [25568] Re: CQC W5SB
by Roger Hightower <n7kt@dancris.com>
54) [25569] W5SB.....
by k8cv@juno.com
55) [25570] Contest Issues
by adams@chuck.dallas.sgi.com (Chuck Adams)
56) [25571] Solar Flux
by adams@chuck.dallas.sgi.com (Chuck Adams)
57) [25572] Re: CQC W5SB
by kt3a@juno.com
58) [25573] New Contest Coming next Year
by kt3a@juno.com
59) [25574] Re: Contest Issues
by "Phil, K6LS" <k6ls@qsl.net>
60) [25575] Wayne Burdick's Biker Bonanza
by Russ Carpenter <russ@natworld.com>
61) [25576] How to Erect a 700 Foot Tower for No Money
by Russ Carpenter <russ@natworld.com>
62) [25577] Re: Color burst characteristics?
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
63) [25578] 20m alive and well!
by Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
64) [25579] Re: Solar flux and 10m openings
by "Kelly Ellison" <kelman@dialnet.net>
65) [25580] Update - BUBBA Bonus Points!
by Joe Gervais <vole@primenet.com>
66) [25581] St Louis Tuner
by "Thomas J. McCuen" <TMcCuen@CompuServe.COM>
67) [25582] Re: Contest Issues (DXer Book)

by Jess Gypin <jessqrp@concentric.net>
68) [25583] ARRLDX
by "Timothy J. Pettibone" <tpettibo@nmsu.edu>
69) [25584] K0FRP about W5SB
by ALK0FRP@aol.com
70) [25585] Re: Dremel tools and the like.....
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
71) [25586] Re: Update - BUBBA Bonus Points!
by cleveland@usa.net (Grover Cleveland)
72) [25587] 30 meters
by af852@rgfn.epcc.Edu (William R Colbert)
73) [25588] Re: Dremel tools and the like.....
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
74) [25589] BOBTAIL QUESTION
by ARDUJENSKI@aol.com
75) [25590] McD's Steak sand.. BUBBA Bonus Points!
by Lee <jcs4us@cosmoaccess.net>
76) [25591] 50-40-30 KS Results
by Steve Heyroth <sheyroth@CompuServe.COM>
77) [25592] Re: Update - BUBBA Bonus Points!
by Joe Gervais <vole@primenet.com>
78) [25593] Re: information sources
by David.Reid@asml.nl (David Reid)
79) [25594] Source of Bits for Dremel Tools
by Dale Scott <dscott@us.ibm.com>
80) [25595] Back from EUROPE
by "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
81) [25596] Re: Dan's MPF131
by Raventhorne <jelder@ix.netcom.com>
82) [25597] 425 DX news.
by Scott Bauer <ke3nv@erols.com>
83) [25598] SST - working
by Larry Trullinger <kb0emb@swbell.net>
84) [25599] Re: The toroid program on the norcal page.
by K4AHK@ix.netcom.com
85) [25600] FS Yaesu FT-840
by Bruce Milne <bmilne@eznet.net>
86) [25601] Shelby, NC, Hamfest anyone?
by Gary M - W2UX <MAIL4GARY@worldnet.att.net>
87) [25602] Re: Source of Bits for Dremel Tools
by Chris Trask <ctrask@primenet.com>
88) [25603] Re: St Louis Tuner
by Harry Bump <bump@redrose.net>
89) [25604] Key Contact Material
by ji3m@maxwell.com (James R. Duffey)
90) [25605] Solar/This Contest Weekend
by wa5whn@juno.com
91) [25606] Re: How to Erect a 700 Foot Tower for No Money

- by Zack Lau <zlau@arrl.org>
- 92) [25607] CQC contest
by PDouglas12@aol.com
- 93) [25608] Small Loop tuning cap
by Steven Weber <kd1jv@moose.ncia.net>
- 94) [25609] Re: Small Loop tuning cap
by Monte Stark <ku7y@sage.dri.edu>
- 95) [25610] 10 meters mobile, Sporadic E/Aug. 27th
by wa5whn@juno.com
- 96) [25611] YIKES! - THE MAUNDER MINIMUM?
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 97) [25612] re:425 DX News
by Scott Bauer <ke3nv@erols.com>
- 98) [25613] Re: Small Loop tuning cap
by Bob Hightower <ki7mn@dancris.com>
- 99) [25614] Small Transmitting Loop Tuning Capacitors
by Bill Jones <kd7s@psnw.com>
- 100) [25615] Re: YIKES! - THE MAUNDER MINIMUM?
by Dave Sjolín <sjolin@swbell.net>
- 101) [25616] DDS Article
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 102) [25617] Re: Help -Toroids with shorted turns
by Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
- 103) [25618] Re: YIKES! - THE MAUNDER MINIMUM?
by John Evans - N0HJ <jae@codenet.net>
- 104) [25619] More on the EDZ "delay" line feed
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 105) [25620] Re: YIKES! - THE MAUNDER MINIMUM?
by pthomson@bruderhof.com
- 106) [25621] Re: Key contact material? Got some!
by Jim W7LS <w7ls@brigadoon.com>
- 107) [25622] Re: YIKES! - THE MAUNDER MINIMUM?
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 108) [25623] SLV
by Dan Copeland <dcopeland@wwn.net>
- 109) [25624] Kits and supplies
by "Jeff M. Gold" <jmg@tntech.edu>
- 110) [25625] CA Mobile Shootout Results
by Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
- 111) [25626] Re: YIKES! - THE MAUNDER MINIMUM?
by Vic Rosenthal <rakefet@rakefet.com>
- 112) [25627] Thanks de W5SB
by Bill Morris Denton <bdenton@tenet.edu>
- 113) [25628] Re: Help -Toroids with shorted turns
by Ed Pacyna <pacyna@auratek.com>
- 114) [25629] Shorted Coils
by Clark Fishman <cfishman@pica.army.mil>
- 115) [25630] 17 open this afternoon

by Joel Malman <malman@BBN.COM>
116) [25631] bubba prop
by torell@sicom.com (Kent Torell)

Date: Mon, 25 Aug 1997 17:26:36 -0600
From: "Bob Follett" <bfollett@ditell.com>
To: "QRP-L Group" <qrp-l@Lehigh.EDU>
Subject: [25514] IARU Beacon Update -- PSE READ
Message-ID: <199708252327.RAA02546@mars.ditell.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang:

My Sept. QST came today, and there is an update article on the IARU Beacon project.

SUMMARY: Its come a long way!

For those of you who don't subscribe to QST (Lets not get into that thread again, please)

The worldwide beacon network is now 'almost' complete on 14.1, 18.11, 21.15, 24.93 & 28.2 MHz

Each of 18 (14 on the air now) stations transmit, in sequence every three minutes, their call, and four dashes. The first dash is 100W out, and the other three are at 10, 1, & .1Watt out. Its CW, of course, 22WPM, so no excuses from THIS list.

To REALLY make propagation monitoring from your QTH easy, however, there is a Windows program that goes with this stuff called BeaconClock. It, in realtime, displays the callsign transmitting, and beam heading and distance from your QTH. I have it loaded, and it has the option to "try to stay on top" of all other windows screens. I can watch it as I type this E-mail! Of course your computer clock has to be accurate, but they give you an easy way to make small adjustments from WWV. Or, use a modem clock setting program, as I do.

Yes, you gotta have Windows 3.1 or Win95, but if you do -- there is no excuse for not running this program! Well, there is: It only covers 20M and up, so its oriented towards worldwide communications -- not good for 40M. Listening on 20M as I write, I can hear Canada, and Argentina at the 1 Watt level -- sometimes at .1W . No propagation charts, programs, etc. You hear what you get. AND, it shows the rest of the DX world how well QRP and QRPP gets out!!!

This program is available at: www.mutadv.com/kawin/pages/bcnc1k.htm

For more information on the beacon program itself: www.ncdxf.org/

And for those of you without a browser, the program may be redistributed for free, so maybe Jim or Chuck will consider putting it on the QRP-L FTP files if there is enough interest.

Enjoy! & 73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

Date: Mon, 25 Aug 1997 18:06:32 -0700 (MST)
From: "Sterling W. Lombard" <slombard@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [25517] The toroid program on the norcal page.
Message-ID: <Pine.BSI.3.96.970825180152.25412A-1000000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

this is one of the most useful programs that I have seen! Is there an independant program version of this? Something written in C? What's the algorithm? I can see myself updating all of those old solid state schematics that were in older versions of of the Arrl handbook.

BTW: for those that don't know the url (yeah right) here it is:

<http://www.fix.net/jparker/tools/toroiddesign.htm>

-... . -.- -... -... .--- - -...
-Sterling W. Lombard (KB7JTZ)
<http://www.primenet.com/~slombard>

Date: Mon, 25 Aug 1997 21:13:08 EDT

From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [25518] NCDXF/IARU International Beacon Network
Message-ID: <19970825.081007.4399.2.n4so@juno.com>

A saved text file is on this computer of the NCDXF/IARU
Beacon's transmission schedule, callsigns, and other info.
Ask for NCDXF.txt.

from: n4so@juno.com

Do not repeat or quote this message text.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Mon, 25 Aug 1997 21:53:01 EDT
From: n4so@juno.com (charles k brown)
To: QRP-L@Lehigh.EDU
Subject: [25519] NCDXF Beacon Web site
Message-ID: <19970825.084857.7735.0.n4so@juno.com>

This is a saved text file.
From: "Dick Dievendorff" <dieven@msn.com>
Date: Sat, 10 May 97 07:40:22 UT
Subject: NCDXF beacon info Web site

We have our NCDXF beacon information on our web site.

<http://www.ncdxf.org> Follow the beacon link or

<http://www.ncdxf.org/beacon.htm>

73 de Dick, K6KR
webmaster@ncdxf.org
nnnn

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Mon, 25 Aug 1997 10:44:50
From: Dale LeDoux <dledoux@laci.net>
To: leinwebe@mcmail.CIS.McMaster.CA
Cc: qrp-1@Lehigh.EDU
Subject: [25520] Shorted turns - getting long!
Message-ID: <3.0.1.16.19970825104450.384f7bf8@laci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:30 8/25/97 -0400, you wrote:

>In <3.0.1.16.19970822101114.37b75664@laci.net>, Dale LeDoux wrote:

>

>>This is a basic fact of life with transformers and inductors. If you short
>>out turns of an inductor, you DO NOT remove them from the magnetic field,
>>and they will attempt to draw power from the input source and then
>>dissipate it as heat.

>

>Dale,

> Your explanation of transformer action was well described. I have
>always beleived that these tapped/roller inductors should have their far
>end left open because of the basic loss mechanism you describe.

> However, there is one reason why you might consider doing otherwise.
>If you have a tapped inductor, with a rotary switch selecting one of a
>large number of tap-points, your switch could take a beating. I'm sure
>you can appreciate the potential for serious arc damage as the switch
>opens/closes if the operator were to switch under power (I'll bet a lot
>do, not thinking about this possibility).

In the power transformer business, we have two types of tap-changers for changing the voltages of transformers: No-load and load. The load tap-changer is much more complex and has circuitry to allow make-before-break contact action as well as to limit currents during the overlap period of this activity. They are very expensive and a maintenance head-ache and are therefore not too terribly common unless one expects to have to change transformer ratios regularly. The no-load tap-changer is more like what we hams find in our gear: just dry contacts. Int he power business, the instructions on these is "do not operate the tap changer while any voltage is present on the transformer".

> Haven't thought about this scenario really carefully. I suppose
>you could argue that the contact "break" is the worst offender, if the
>break occurs during a current peak (hard to avoid this possibility with
>R.F.!). A shorted coil-end might help in this case.

> When the switch "makes" contact, I'd guess an open-end coil would
>be better, instead.

No, if you break the contact under load, you can expect a significant inductive "kick" with resultant abuse to the contact in either case.

>

> There's another consideration too, and that's dielectric losses
>(you usually don't worry too much about this in 60 Hz power transformers).
>If you leave the end of the coil open, substantial RF potentials can
>be generated at the coil end, thru autotransformer action. Even small
>dielectric losses could be made a good deal larger this way. Haven't done
>any measurements here, but the possibility exists.

>

>

Well, a floating end of a coil with power flow between the other end and a tap will definitely have a higher voltage than the input. Good insulation is a must. You could do some measurements to determine the capacitance and then a little calculation would tell what to expect at higher frequencies and powers. At QRP levels into a reasonable antenna, though, I'd probably not worry too much. I think the power losses from circulating current in the shorted turns would be a bigger problem. After all, we try to design our inductors with as little stray capacitance as possible. As this is normally distributed along the entire length of the inductor, floating one end is probably not going to be a big increase.

Remember guys, this is only a discussion.

Earlier comments about coupling difference between power transformers (my stuff) and RF transformers (this stuff) are relevant. A tightly-coupled transformer will transfer power from one winding to the next very well. We need this in power distribution. A loosely-coupled winding will do so less readily, so you won't see the drastic losses in some RF transformers that I do in power transformers, but there will be losses. If we get to the point where we start to saturate the magnetic circuit (iron and ferrite cores), then not only does the power transfer capability drop off, but so does the ability of the out-going waveform to match the incoming. The transformation stops being linear when the core saturates. Voila, instead of a tuned circuit that 'cleans' up the waveform (a nice antenna tuner) we get harmonic energy output. See -- some more of those strange things happen with our nice simple circuits.

Please take these comments as a discussion. We're all here to learn.

Dale LeDoux - KD5QI
Bath Electrical Systems
Power Systems 480V to 230KV

Date: Mon, 25 Aug 97 21:47:39 -0500
From: Larry Trullinger <kb0emb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25521] SST-30 got it !
Message-ID: <199708260243.VAA01882@SWBELL.net>

-- [From: Larry Trullinger * EMC.Ver #2.5.02] --

Gang,

Just received my SST 30 meter version tonight. Will finish it tomorrow evening, but wanted to check about any 'recommended changes' by those with experience. I know Chuck on the 40 m version changed C10 to 15 pf but that is the standard value on mine. My printer is busy listing the mods from G3YCCs page. Any suggestions appreciated.

Wow is it small, it should go right into the backpack !

72/73 Larry kb0emb

Date: Mon, 25 Aug 1997 21:27:51 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: whalen@swcp.com
Cc: qrp-l@Lehigh.EDU
Subject: [25522] Re: Mizuho, St. Louis tuner
Message-ID: <3.0.1.16.19970825212751.2acf988a@mail-cluster.pcy.mci.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

At 08:50 AM 8/25/97 -0600, you wrote:

>Hello Fellow Qrpers, I really like this Mizuho 40m rig but would like to
>get it to cover the lower part of 40 instead of 7.1 to 7.14. I dont have
>the manual. It does have some plug in xtals. Question is, how do I find
>out the needed value to get it lower in freq. One rock reads 9.210000 and
>the other reads 9.270000.

>

Hi Tom.....here is the mixing scheme with the 40 meter Mizuho. The crystals are doubled in frequency, and are VX0ed for the tuning. The VX0 covers nominall 25 KHz of coverage, depending how well you can move the crystal around.

Incoming 7 MHz signals are mixed with the VX0 signal, and the difference becomes the i.f.. The crystal filter is at 11.2735 MHz. So the

two crystals you have are for 7.120 to 7.145 MHz (9.21 MHz) and the other should tune 7.140 to 7.165 MHz (9.270 MHz).

There is a bit of loading on the crystals, so sometimes you find them a bit off of the frequency scheme that I just discussed. Finding someone who can make crystals for the rig is a bit problematical.

Of the two that I had JAN make for mine, the 7.100 to 7.125 MHz is right on the money, but the 7.150 to 7.175 MHz is a bit short of the mark. It will only go to 7.173 MHz. They tried two times to make the higher crystal, but couldn't get it to cover the required 25 MHz. At that point, they gave up.

Have fun...the Mizuho rigs are terrific. I cherish both of mine!

72....Jim

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com		__o H.F. bicycle mobile
Fenton, MI		_'\<, Mizuho 17/40 SSB
...	..	.. (*)/(*) ..
NorCal 38S/30 Log	-	34 States; 40 Countries - Running 3 watts
Most recent -	Iowa	Mauritius
NorCal 38S/17 Log	-	3 States; 2 Countries - Running 2 watts
Most recent -	New Jersey	St. Martin

Date: Mon, 25 Aug 1997 21:37:56 -0600
From: Greg Newberry <newberry@cyberhighway.net>
To: QRP-L Group <qrp-l@Lehigh.EDU>
Subject: [25523] Disguising Antennas with Paint?
Message-ID: <34024F94.61A1@cyberhighway.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy,

I'm building a remote tuned loop and it seems that looks account for a lot where I live. I've read articles about painting antenna structures that blend in with the sky colors but I'd like some input as to how practical this is.

Does paint change and introduce any change in the surface of the

antenna? (non metallic paint of course!)

What is a good color to paint the mast/loop to blend in?

I've noticed that white sticks out like a sore thumb. Powdery sky blue maybe?

Thanks for any input

Greg

--

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-----  
|  Greg Newberry      newberry@cyberhighway.net  |  
|  WB7DUO QRP-L #760                               |  
|  NorCal #1899  CQC #465                         |  
-----
```

Date: Tue, 26 Aug 1997 16:15:05 +1200
From: D Limbrick <DAVLIM@extra.co.nz>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [25524] Aerial hardware again
Message-ID: <34025848.746@extra.co.nz>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for all the help and I will use stainless fastenings on the joints as recommended. However can I check if it is the correct stainless steel by using a magnet.? I notice our sinkbench is non magnetic but my knife is and they are both stainless and neither has rusted.

Thanks again Dave

Date: Tue, 26 Aug 1997 00:37:29 -0400 (EDT)
From: ALK0FRP@aol.com
To: qrp-l@lehigh.edu
Subject: [25525] CQC W5SB
Message-ID: <970826003724_-1871805556@emout06.mail.aol.com>

Ahhh

Got your attention ??? Does anyone know W5SB the Big signal from TX with no ears, during the CQC QSO Party

Bill from TX either he had his 20 dB attn on for 6 hours or a thunderstorm was parked over TX for 6 hrs with no DSP noise reduction. ??????
Is he a QRP'er or what. I agree with Rich WOHEP all the way.
or it may be an ego trip for a QRO guy who know's
I had a bunch of weak sig but asked for no more than one repeat. (thanks DSP)
This guy kept repeat or did not answer the weak sigs. Or he ran 100w to a dipole. He did not give his power. (by rules)
That may be the answer.
Al K0FRP

Date: Tue, 26 Aug 1997 00:14:23 -0700
From: n5inz@juno.com
To: qrp-l@lehigh.edu
Subject: [25526] Dremel tools and the like.....
Message-ID: <19970826.001424.3182.2.N5INZ@juno.com>

Some time back I bought a battery powered Dremel tool. I cussed it at length for it's rather short charge cycle life and Sweetie bought me an AC model recently.

I could'nt leave well enough alone and the router and drill press became a *must* buy.

The drill press is self explanatory. Makes nice straight holes. Flipped over on it's side and mounted in that position with a block of wood it makes a nice fixed position sander.

What's really is nifty is the router-

Cutting PC board for enclosures is now a breeze- My hack-saw days saw stuff that Picasso would call art. I can now cut a groove in the board and the pieces fit together like fine furniture. Also makes cross-hatch squares for "ugly soldered" construction a simple chore.

I've always admired the plastic discs that some hams made for the frequency tuning on the front of HB rigs like the 8020. With the router and some 1/4 plexi-glass, nice round indicators are possible.

I'd really like to hear from others about your uses for this dandy tool.

72, John-N5INZ

Date: Tue, 26 Aug 1997 06:22:23 -0400
From: Bill Meara <wmeara@erols.com>
To: qrp-l@lehigh.edu
Subject: [25527] Color burst characteristics?
Message-ID: <199708261025.GAA02591@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just got a big bunch of color burst crystals from Dan's Small Parts.
(Three cheers for Dan! He's providing a great service for ham radio!)

I plan on using these rocks to construct a CW ladder filter for my HB 20
meter superhet.

I realize that these values may vary from one batch of crystals to the next,
but has anyone out there measured the unloaded Q and series resistance of
color burst rocks?

I'm hoping that these values will be pretty standard so I can determine
correct capacitor values and end terminal impedance (without building test
gear more complicated than the RX!)

73 de N2CQR
Bill Meara, Falls Church, Virginia
wmeara@erols.com
<http://www.mindspring.com/~johnmb/billm.htm>

Date: Tue, 26 Aug 1997 07:01:15 -0400 (EDT)
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
To: qrp forum <qrp-l@lehigh.edu>
Subject: [25528] More on shorted turns
Message-ID: <Pine.BSI.3.93.970826065424.21498A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This one hasn't died out yet :-). I'm going to keep it alive for a couple
more days. I was glad to see that someone has already tested a toroid on
a Q meter (Heath, I think) and reported that it showed a drop of Q when
the unused turns were shorted (which is what we'd expect). I did some
tests of my own, on my Boonton 260A Q meter, on several coils--on T106-2

(two), T130-2 and T200-2 cores. Some of them showed decreased Q when the unused turns were shorted, but interestingly in two cases the Q actually increased (by a fairly small amount) when the unused turns were shorted. I can guarantee this is not a case of "operator error" and that the Q did in fact decrease when I snipped off the shorting wire on those two. I'll be repeating the tests in a day or two as time allows, and throw in some more toroids as well, and see if I still see the same thing.

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

Date: Tue, 26 Aug 1997 08:52:10 -0400
From: rerobins@unccvm.uncc.edu (Rick Robinson)
To: cleveland@usa.net
Cc: qrp-l@lehigh.edu
Subject: [25529] Potato Cannon Horror tales
Message-ID: <v02130500630d3041f5c3@[152.15.144.13]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Grover, K7TP, writes:

><http://home.earthlink.net/~mbgraney/cannon.html>
>
>An excellent site

Be sure and also follow the links to "Some Cannon Horror Stories" and see if all this is worth the risk.

72,

Rick kf4ar

Date: Tue, 26 Aug 1997 07:13:34 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@lehigh.edu
Subject: [25530] QRP AField Info
Message-ID: <2.2.32.19970826141334.0075eb48@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP AFIELD - 1997

QRP AFIELD - 1997 is sponsored by the QRP Club of New England and is designed to encourage QRP enthusiasts to field-test their radio equipment using temporary antennas and non-commercial power sources.

Date/Time: Saturday, September 20, 1997. 1600Z to 2400Z. You may operate a maximum of six hours during the contest period.

Exchange: QRP-NE Members; RST, State/Province/Country, QRP-NE#
Non-Members; RST, State/Province/Country, Power Output

Definitions:

Permanent Location: Any location using commercial power and/or permanently installed antennas.

Field Location: Any location using non-commercial power and temporary antennas.

High Power QRP: 1 to 5 watts output.

Low Power QRP: Less than one watt output.

Scoring (CW only)

1 point for each contact from a permanent location using high power QRP.

2 points for each contact from a permanent location using low

power QRP.

4 points for each contact from a field location using high power
QRP.

8 points for each contact from a field location using low power
QRP.

Multipliers

Each State/Province/Country worked counts for one multiplier.

Multipliers may be counted only once regardless of band worked.

Awards and Results

A plaque will be awarded to the station with the highest point
total.

Certificates will be awarded to the ten stations with the highest
point totals. To receive a copy of the contest results, please
include a #10 SASE with your contest submission.

Address

Chester (Chet) Bowles, W1CSB

RFD 2, Box 335L

Sharon, NH 03458

QRP AFIELD - 1997

Entry Form

Name _____ Call _____

Address _____ QRP-NE# _____

Total Number of Contacts _____

Point/Contact (1) X _____

Subtotal = _____

Number of Multipliers Worked (2)X _____

FINAL SCORE = _____

1. Points per contact:

1 point for each contact from a permanent location using high power QRP.

2 points for each contact from a permanent location using low power QRP.

4 points for each contact from a field location using high power QRP.

8 points for each contact from a field location using low power QRP.

2. Multipliers: Each State/Province/Country worked counts as one multiplier. Multipliers may be counted only once regardless of band worked.

Transmitter/Xceiver _____

Power Output _____

Receiver _____

Power Source _____

Antenna

Location

Comments

Submit Logs and Dupe Sheets to: Chester (Chet) Bowles, W1CSB

RFD 2, Box 335L

Sharon, NH 03458

Date: Tue, 26 Aug 97 10:09:00 EST

From: "Pat A. Taber" <pat@vtpo1.genrad.com>

To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>

Subject: [25531] RE: Potato Cannon Horror tales

Message-ID: <3402AC1D@msgate>

>Be sure and also follow the links to "Some Cannon Horror Stories" and
see

>if all this is worth the risk.

I'm a little leery of his estimate that the internal pressure of the cannon during a shot is 5 pounds psi. I would guess he's off by an order of magnitude or two....

Not a good antenna launcher unless you're in special forces, I think.

>>>==>PStJTT

Date: Tue, 26 Aug 1997 08:11:47 -0600
From: wa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [25532] QRP Contests
Message-ID: <19970826.081151.9326.0.wa5whn@juno.com>

qrp-lers,

The KI7MN URL contains QRP contest information.

<http://www.dancris.com/~ki7mn/>

click on the contest icon.

Bob, KI7MN, has the information about "QRP AField" & "Az. scQRPion Bubba Sprint", on his web page.

Ooops, just noticed in the Sept., '97 issue of "QST", page 105, that the Mich. QRP Club Labor Day (Sept. 1) cw Sprint is this weekend too. N8CQA is the person to contact for this event.

Let's keep listening on 6/10/12/15/17 meters too. Turn off that mind numbing TV, and head out to the shack. Gee, the last mind numbing event, that I can remember watching, was the 1992 Democratic Convention. :)

72...Jay, WA5WHN DM65qd Albuquerque, NM

Date: Tue, 26 Aug 1997 11:02:47 EDT
From: wb2vuo@juno.com (William K Hibbert)
To: newberry@cyberhighway.net, qrp-l@lehigh.edu
Subject: [25533] Re: Disguising Antennas with Paint?
Message-ID: <19970826.105908.7839.1.wb2vuo@juno.com>

Hi Greg.

In one of the "Notebook" antenna books that Doug, W1FB published, he made mention of disguising the wire by painting it with blotches of different colors, randomly over the length of the wire. Sort of a pattern-disruptive camouflage pattern. He used spray paint, Krylon (tm), if I remember right. I lent the books out, and can't refer to them right now.

We had a disguised "tower up at a Field Day back a Decade or so, and it was a lapped timber mast, 2x6's for the lower section, and a 2x4 for the top 15 feet. The wood was painted light grey, which was good, but then splotched with darker grey and light blue. From 100 feet out, it sorta looked like a wierd addition to the clouds when silouetted against the sky. The antennas were 80 & 40 Meter inverted vees, 90-degrees to each other (and used for the top "guys"). The green P-Cord for the middle guys were the only thing that really stuck out. The wire for the antlers was insulated, and had a spiralled traces of orange & blue. The wires were invisible for all practical purposes.

Back in my Navy days, the camo pattern that they used for objects seen in silouette (such as ships) were painted with combinations of sky-blue, light greay, dark grey (Haze Grey) and Navy Blue. The idea wasn't so much to blend but confuse. The eye just sort of looks over rather than at something with the pattern-disruptive paint job...

If you are in or near the tree line, try forest green, browns, olive-drab, maybe some greys.
Krylon (tm) seems to have good properties, and it is non-conductive.
Other spray paints and lacquers would fit the bill.

READ THE WARNING LABELS !!! Paint is something that is taken for granted far too much. Get a snootfull of spray paint, especially with the isobutane "propellants", and you might only get sick, but could DIE from overexposure to the gunk...

There was a thread last year on the hazards of spray paints, but I didn't save it. Safety first, or it may be your last effort...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, AR QRP #68, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,

Trustee, NQ2RP/B 10 Mtr QRP Beacon (125 mW @ 28.287 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

Date: Tue, 26 Aug 1997 10:14:50 -0500
From: Union Texas Petrochemicals <stevensj@sound.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [25534] Molded Inductor Color Codes
Message-ID: <01BCB208.EAA510A0@cnc036041.concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi guys,

I have a molded inductor, green body, with blue, gray, gold, gold bands. =
My majic decoder rings fail on the third band, gold. Is this a 6, 8, =
/10, 5% (6.8 uh) inductor? Thanks!!

John W. Stevens, K5JS
stevensj@sound.net

Date: Tue, 26 Aug 1997 11:14:45 EDT
From: kq0i@juno.com (Mark R Milburn)
To: qrp-l@lehigh.edu
Subject: [25535] information sources
Message-ID: <19970826.101643.7759.4.KQ0I@juno.com>

More and more when questions are asked on this list, the reply takes the form of "look at so and so's web page" or something similar. Just a reminder that a goodly number of us qrp-l ers are not on the internet, we just bumble around using e-mail. Unless the answer is complicated or very long, it makes sense just to answer the question asked right here on the list and be done with it.

72/73 Mark

KQ0I @ W0AK.#CIA.IA.USA.NOAM

e-mail: kq0i@juno.com

ARRL-DMRAA-QRP-L #625-NORCAL #1829-ARS #139-NW QRP #418-QRP ARCI #9226

Date: Tue, 26 Aug 1997 08:38:37 -0700
From: Bill Todd <bill@techline.com>
To: kq0i@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [25536] Re: information sources
Message-ID: <1.5.4.32.19970826153837.006ee9b4@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Unless the answer is complicated or very long, it makes sense just to
>answer >the question asked right here on the list and be done with it.

>
>72/73 Mark

Good point Mark!!

CUL, Bill-N7MFB

Date: Tue, 26 Aug 1997 12:12:28 -0400 (EDT)
From: W7GVN@aol.com
To: qrp-l@lehigh.edu
Subject: [25537] s-38 /38-s correction
Message-ID: <970826121106_1226192161@emout05.mail.aol.com>

cought by w4qo the test report should read
38-s not s-38 : hallacrafter family of recievers
from 1946 to 1961. thanks for notifying me.
w7gyn Rod Tucson

Date: Tue, 26 Aug 1997 11:32:51 -0500
From: "Bruce Barley" <lbbarley@feist.com>
To: <qrp-1@lehigh.edu>
Subject: [25538] Flux forecast is UP !
Message-ID: <199708261639.LAA01741@wichita.fn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello -

Well, it looks like that after a LONG period of time with the flux stuck in the low 70's that things may actually be on the upswing for the upper bands. Here is a snip from the current forecast from NOAA.

IV. PENTICTON 10.7 CM FLUX
OBSERVED 25 AUG 082
PREDICTED 26 AUG-28 AUG 084/086/086
90 DAY MEAN 25 AUG 073

V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 24 AUG 008/006
ESTIMATED AFR/AP 25 AUG 005/005
PREDICTED AFR/AP 26 AUG-28 AUG 005/008-010/012-010/008

Anyone rash enough to go rambling around on 10m? See you there -

Bruce Barley KB0PZD
lbbarley@feist.com

Date: Tue, 26 Aug 1997 12:52:04 -0400 (EDT)
From: ROBERT PENNEYS <radio@UDe1.Edu>
To: qrp-1@lehigh.edu
Subject: [25539] Where to get 38 Spl?
Message-ID: <199708261652.MAA11648@copland.udel.edu>

Where do I get a 38 Special, the Tick keyer, case, etc?

Tnx, Bob N9GG

Date: Tue, 26 Aug 1997 12:54:41 EDT
From: ab5uacw@juno.com (Clifton W Sikes)
To: qrp-1@Lehigh.EDU
Subject: [25540] WTB 20meter kit/rig
Message-ID: <19970826.115046.5007.1.ab5uacw@juno.com>

Good morning,

Does anyone have a 20m kit, that you can't seem to find time for? I would very much like to talk to you. Don't want to take the OHR 400 to the field. I would consider a completed rig, but would rather build a kit.

If you aren't checking 14.060 between 22:00-24:00 UTC, you are missing some really good European QRP'ers. Give them a listen.....

72, Clif

Clifton Sikes AB5UA
Earlsboro, Ok.
ab5uacw@juno.com

Date: Tue, 26 Aug 1997 10:57:04 -0600
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-1@lehigh.edu
Subject: [25541] Last weekend and next..
Message-ID: <2.2.16.19970826165704.2a17a850@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I went to WY for the weekend, but it sounded like the bands were pretty bad, lots of weak sigs and not many answers to my calls.. The Argo and AT-11 seemed to be working, though.. Then I got suspicious and found a shorted coax cable under the camper seat, it must have gotten beat up earlier in the month when I was fishing in western Colo.. By then the CQC contest was over, of course. Only worked a couple of people, and didn't have my 12vdc soldering iron along to fix anything..

Think I'll go back up for the holiday weekend.. Better than staying in Denver with 90 deg and no A/C in the house, ha. Cool WX where I camp (about 8800 ft), and there are QRP contests on Sunday and Monday.

For any LOGic-4 software users, the QRP_FYBO contest setup will work for the BUBBA contest, and the QRP_MI setup works for the Michigan Club sprint.

Both files are in CONTESTS.EXE on my web site, as well as the rules for the two contests this coming weekend. They're all on the Contest Photos page.

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Mon, 25 Aug 1997 20:51:45 +0100
From: "Frank, G3YCC." <g3ycc@gqrpclub.demon.co.uk>
To: whalen@swcp.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [25542] Re: Mizuho, St. Louis tuner
Message-ID: <KVf\$mHARJeA0Ewot@gqrpclub.demon.co.uk>
MIME-Version: 1.0

In message <Pine.SUN.3.91.970825084210.17434A-100000@kitsune.swcp.com>, "Thomas J. Whalen" <whalen@swcp.com> writes
>Hello Fellow Qrpers, I really like this Mizuho 40m rig but would like to
>get it to cover the lower part of 40 instead of 7.1 to 7.14. I don't have
>the manual.
Certain xtals are or were until recently, available here, CW 14000-14050 and 14,050-14.100 as well as SSB ones. If I can help, let me know.

Frank, G3YCC GQRP Club 042
Packet: G3YCC@GB7HUL
QRP Web Page: <http://www.gqrpclub.demon.co.uk>

Date: Tue, 26 Aug 1997 10:22:14 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [25543] Re: Help for college Ham club needed
Message-ID: <340310C6.31A0@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recommend, since it is easy to pass the novice test, to

get the novice license, and set up a 80 meter pixie2 net.

The pixie2 is a 250 milliwatt transceiver. A common computer crystal is 3.6864 MHz. Right in the 80 meter novice band!

They can practice from their homes and set up a net. Also, the time spent practicing will far exceed the hour at the club.

Complete plans and links on my web page.

Have fun.

-Ed Loranger

P.S. I know you are probably looking for a total beginners setup like headphones and wires etc. You might be able to connect coax between two pixies and maybe a homebrew resistive attenuator. Then they wont actually transmit over the air, yet the coax can connect them at 'frequency'.

NOW THERE'S an IDEA! And no license required.

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Tue, 26 Aug 1997 12:20:43 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@lehigh.edu
Subject: [25544] QRP Calling Freq. for 17m
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Hi Gang,

I know it's been asked many times. Does anybody know the official (or unofficial!) QRP calling frequency for 17 meters? Every publication either lists something different, or none at all.

BTW - I think I will really enjoy working the WARC bands when the blasted sun begins to cooperate. I plan to concentrate most of my efforts on these bands. Hope to work you there.

73 de Dave NR3E/5
nr Dallas, TX
qrp-1 #25, Winner:1997 Texas QSO Party, QRP
WIMPS: Qs=057 30m=041 17m=11 12m=05 States=027/06/04
DX=02/02/01

Date: Tue, 26 Aug 1997 13:31:05 -0400
From: Ken Newman <n2cq@comten.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [25545] CQC
Message-ID: <1.5.4.16.19970826172546.4f6f1140@mail.comten.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Every thing was going fine on the CQC (except a late start), until the !@#\$ Salt Mine Inc. called for me to stop having fun and go in and shovel some salt. I agreed to do that before I realized it could happen. Ended up with 4 hours of the 6 on the air. Very good activity on 20 but only 2 on 15 and 2 on 80. 40 picked up when I got back from the Mine (last 20 min). As a result I ended up with 48 QSO's, including W0CQC (thanks Paul). I computed at about 105K. with 16 names (Thanks for all the Bobs out there). I actually found a couple of other new CQC members that had a number higher than my #466. A great Sunday afternoon outside of the above. Next time I'll plan ahead.....

72/73,
Ken Newman, N2CQ
Woodbury, NJ
N2CQ@Comten.com

Date: Tue, 26 Aug 1997 11:41:28 -0600
From: "Phil, K6LS" <k6ls@qsl.net>
To: qrp-1@Lehigh.EDU

Subject: [25546] Re: information sources
Message-ID: <34030738.3143@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mark R Milburn wrote:

>
> More and more when questions are asked on this list, the reply takes the
> form of "look at so and so's web page" or something similar. Just a
> reminder that a goodly number of us qrp-l ers are not on the internet, we
> just bumble around using e-mail. Unless the answer is complicated or
> very long, it makes sense just to answer the question asked right here on
> the list and be done with it.

I beg to differ, or in my opinion.. I think we should leave things the
way
they are. Unless the question is of a subject that the entire list can
benefit from, a reference to a web site where the subject has already
been
dealt with on a more indepth level should be appropriate due to the
amount
of traffic on this list. However, I do not have a problem with
forwarding
info to those who do not have web access... all you have to do is ask...

Of course, I have a biased view, having web access. It just seems that
the
majority of the postings to the list become a 'victim' of the Delete
key
(your experiences may differ.)

EVERYONES time is valuable. I thank YOU for yours :-)

--

73 de Phil, K6LS/0
QRP-L #612 NorCal #824
CQC #471 ARCI #8866
k6ls@qsl.net <or> k6ls@amsat.org
DM79or, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
<http://www.qsl.net/k6ls>

Date: Tue, 26 Aug 1997 13:08:02 -0500 (CDT)
From: Bill Morris Denton <bdenton@tenet.edu>

To: AlK0FRP@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [25547] Re: CQC W5SB
Message-ID: <Pine.OSF.3.91.970826130041.17656A-100000@gaston.tenet.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

ALL You CQC guys are full of crap. You really know how to make a new guy feel welcome!

THE END!!!!!!!!!! W5SB
BTW my 5W was included on every report. It was actually closer to 3W.

On Tue, 26 Aug 1997 AlK0FRP@aol.com wrote:

> Ahhh
> Got your attention ??? Does anyone know W5SB the Big signal from TX with no
> ears, during the CQC QSO Party
> Bill from TX either he had his 20 dB attn on for 6 hours or a thunderstorm
> was parked over TX for 6 hrs with no DSP noise reduction. ??????
> Is he a QRPer or what. I agree with Rich WOHEP all the way.
> or it may be an ego trip for a QRO guy who know''s
> I had a bunch of weak sig but asked for no more than one repeat. (thanks DSP)
> This guy kept reapeat or did not answer the weak sigs. Or he ran 100w to a
> dipole.He did not give his power. (by rules)
> That may be the answer.
> Al K0FRP
>
>
>

Date: Tue, 26 Aug 1997 19:36:09 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: kreinbd@ccgate.dl.nec.com
Cc: qrp-1@Lehigh.EDU
Subject: [25548] Re: QRP Calling Freq. for 17m
Message-ID: <199708261836.TAA19095@chuck.dallas.sgi.com>

17M CW 18.096MHz

17M SSB 18.130MHz

also have 18.080MHz from another list, but 096 is the

QRP ARCI noted frequency.

Also in reference to the over 80 solar flux index. This week should be a good week to get on 17M in the evenings and stay on it until it closes. And I mean starting today. See ya there.

And on the note of calling frequencies. The VFO covers other frequencies, so get on and give it a try, one and all.

On propagation, 40M should be extra great this winter. El Nino predictions show the southern hemisphere will be extra dry this year and this should mean quieter QRN levels, since during the winter period for us in the USofA the QRN is coming from the southern hemisphere anyway. We can hope that DX opportunities will be increased due to the quieter levels and our weak signals will be further out of the noise levels.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>
K5FO's online Morse Code course --- see the home page
WIMPS: Qs=063 30m=56 17m=7 12m=0 States=28/05/00 DX=05/02/00 QSLs=025

Date: Tue, 26 Aug 1997 14:17:37 -0400
From: "N4ELM" <n4elm@ipass.net>
To: <qrp-1@Lehigh.EDU>
Subject: [25549] FS: QRP ++ Travel Station \$600.00
Message-ID: <199708261848.0AA17150@passport.ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Pre-Shelby Hamfest Sale
Equipment can be delivered to the 1997 Shelby Hamfest

For Sale:
Complete Portable QRP HF Station consisting of:

Index Labs QRP++ HF transceiver
160 - 10 meters CW, SSB 0 - 5 watts transmit
General Coverage receive CW, SSB (No AM mode)

with DC cable and manual.

Mods: Index Labs RF gain control mod and antenna input diodes added.

Index Labs Companion Tuner (for QRP+)

tuner, noise bridge, and battery in one box
with charger and manual.

Mods: Added circuit breaker on back, Added LED for voltage level on front.

DOSKIL All Weather case 19X14X8

Heavy Black Plastic case with foam cutouts for QRP++ and accessories.
Suitable for Airline or General shipping.

Nye Viking Iambic Paddle

M/SSK-1

wired for QRP++

All is in good to excellent condition, slight wear or scratches on the
cases.

Everything works. Radio and tuner purchased NEW in Dec 1996; case 1997.
Station will be sold together ONLY - Will not separate.

All for \$600.00 OBO + shipping in USA

Pre-Shelby Hamfest Sale

Equipment can be delivered to the 1997 Shelby Hamfest

73 - Dave, N4ELM.

Date: Tue, 26 Aug 1997 12:00:56 -0700

From: Ed Loranger <we6w@qsl.net>

To: BWHITTEM@mailgw.sanders.lockheed.com

Cc: "Low Power Amateur Radio Discussion we6w@qsl.net" <qrp-1@Lehigh.EDU>

Subject: [25550] Re: coax help!!!!

Message-ID: <340327E8.770A@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

check out:

<http://www.therfc.com/>

<http://www.stormproducts.com/cable/rgcoax.htm>
<http://www.stormproducts.com/cable/index.htm>
Is the next Higher Link.

<http://laplaza.taos.nm.us/~ebear/coaxlist.html>
<http://pw2.netcom.com/~wa2ise/radios/coax.html>

Nice information to have around.

Best regards.
Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Tue, 26 Aug 1997 12:24:25 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-l@lehigh.edu
Subject: [25551] CQC W5SB
Message-ID: <199708261924.MAA08207@usr01.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I worked W5SB 2353Z after many calls...got full report ok.

Date: Tue, 26 Aug 1997 14:03:57 -0600
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [25552] Solar flux and 10m openings
Message-ID: <2.2.16.19970826200357.2f87b9ea@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The increased solar flux has 10 meters open to Calif today.. While checking for RTTY signals I'm hearing the usual 'freebanders' on 28.085 AM, using their typical language and echo-boxes.. The loudest here in CO is near Truckee, CA..

Too bad they're the only ones using the 10m CW ham band!

Should be a good weekend on the air, with the flux up 10 points..

73 -- Glenn

Another month ends... All targets met, all systems
working, all customers satisfied, all staff eager and
enthusiastic. All pigs fed and ready to fly.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Tue, 26 Aug 1997 13:28:14 -0700 (PDT)
From: ken crips <kk7cm@rocketmail.com>
To: qrp-1@Lehigh.EDU
Subject: [25553] unsubscribe
Message-ID: <19970826202814.26009.rocketmail@send1.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

How do I unsubscribe? I will not be able to get into my E-mail for at
least 2 weeks. I'll be back but after My office is remodeled.
tnx in advance.

Ken de KK7CM

===

This dispatch is from HQ of the 23rd street unit of the
Cheyenne Irish Terrier Army, it's roster is 1st lt. Ernie
and Command Sergeant Major Razz, with chief communications
officer Ken kk7CM.

Sent by RocketMail. Get your free e-mail at <http://www.rocketmail.com>

Date: Tue, 26 Aug 1997 15:40:24 -0500 (CDT)
From: Bill Morris Denton <bdenton@tenet.edu>
To: Floyd Smithberg <flydnq7x@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [25554] Re: CQC W5SB
Message-ID: <Pine.OSF.3.91.970826153902.4671F-1000000@francis.tenet.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks Floyd, looks like someone was wrong about the 5W in my report.
Bill W5SB

On Tue, 26 Aug 1997, Floyd Smithberg wrote:

> I worked W5SB 2353Z after many calls...got full report ok.
>
>
>

Date: Tue, 26 Aug 1997 13:44:14 -0700
From: n5inz@juno.com
To: qrp-l@Lehigh.EDU
Subject: [25555] Re: Dremel tools and the like.....
Message-ID: <19970826.134415.3182.5.N5INZ@juno.com>

Huge response to my posting on Dremel(and other similar types).

1. <http://www.dremel.com> will give you heaps of information.

2. For those without full 'net service- 1800 437 3635

3. Snail mail- Dremel

Customer Service
4915 21st. St.
Racine, Wi. 53406

Manuals are in Spanish, French, and English.

For routing PC board, I use something called a "end mill"-(you machinists out there correct me) It is sharp not just on the sides but the end as well. Some bits may only be suitable for wood work, but a few work well for just about anything.

PC bits may be hard for some of you to find: In Southern California you might have someone pick them up for you, check all your catalogs(I'm sure as aQRPer you have many), Look at the hobby shops- I'm sure they have something that will work.

Having a tough time with getting the KC-2 to fit your panel? The manual has a great layout for a router based cut. Or other irregular item such as a meter.

The way to make a plastic disc with a router:

Find a block of wood

Place the 1/4"(6mm) plastic flat stock over the wood.

Drill a small hole for the center using a very small bit

drive a small finishing nail through the hole in the plastic and into the wood.

The router has small holes at the end of each guide, measure the hole to the cutting bit and adjust the

guide for the size disc you want. Use just enough depth to cut the plastic. Slip the guide over the finishing nail after adjustments have been made.

Cut the disk and polish.

Add lines or numbers for a frequency readout.

Ain't this fun?

72, John- N5INZ

Date: Tue, 26 Aug 1997 13:52:10 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: Chuck Adams <adams@chuck.dallas.sgi.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25556] Re: QRP Calling Freq. for 17m
Message-ID: <Pine.SUN.3.90.970826135035.16331A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 26 Aug 1997, Chuck Adams wrote:

> We can
> hope that DX opportunities will be increased due to the
> quieter levels and our weak signals will be further out of

And 2 ele's at 85' ain't agonna hurt neither, I betcha.... :-)

```
.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
.....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
.....ORP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
```

The magnet won't work at all-or at least won't work very well. I have found that the better the SS, the less attraction there is.

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

QRP-ARCI #7663	G-QRP #6779	OK-QRP #172	QRP-L #758	
AdvRC #140	NORCAL #1779		NCDXF	SEDXC
Life Member:	ARRL	AMSAT	INDEXA	OCWA

INTERESTS: DX QRP BoatAnchors Test Equipment Photography
CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

Date: Tue, 26 Aug 1997 14:15:18 -0700 (PDT)
From: doug hauff <slmachco@fix.net>
To: qrp-l@lehigh.edu
Subject: [25558] Key contact material?
Message-ID: <199708262115.0AA23399@fletch.fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm considering using stainless steel for key contact material and wondered if anyone has done so. Silver seems to be the usual choice, but the relative hardness and resistance to oxidation of stainless ought to make it a good choice. Stainless is easier for me to work with and procure. Does anyone have any experience with stainless as contact material? Thanks!

73 Doug Hauff KE6RIE

Date: Tue, 26 Aug 1997 17:23:04 -0400
From: N4JS <n4js@amsat.org>
To: qrp-l@lehigh.edu
Subject: [25559] Re: CQC W5SB
Message-ID: <v03020902b028f9944588@[206.106.174.44]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Ahhh
>Got your attention ??? Does anyone know W5SB the Big signal from TX with no
>ears, during the CQC QSO Party
> Bill from TX either he had his 20 dB attn on for 6 hours or a thunderstorm
>was parked over TX for 6 hrs with no DSP noise reduction. ??????

Actually, I worked him, first call. Got his power as 5w. 559 report.

I did, however, call one K0FRP several times, but he just kept on
CQing....and CQing..... :-)

_ _ _ _ _ _ _ _ _ _
 | \ | | | | | _ | | / _ |
 | . ' | | _ _ | | | | \ _ _ \
 | _ | \ | | _ | \ _ _ / | _ _ /
 John L. Sielke n4js@amsat.org n4js@pobox.com
 n4js@n4js.ampr.org NJ Grid:FM29LN
 http://www.qsl.net/n4js NJ-QRP #57
 QRP-L #884 QRP-ARCI #9328 NE-QRP #507
 G-QRP #9544 Norcal #1989 QCWA CQrp CQC ARS #243 FISTS #2781
 Formerly: K3HLU, W7JEF, W4MPC, TF2WKT

 Date: Tue, 26 Aug 1997 16:33:51 -0500
 From: "Larry McCain" <lmccain@bjsservices.com>
 To: <qrp-l@Lehigh.EDU>
 Subject: [25560] CQC W5SB
 Message-ID: <vines.JYb7+zio+oA@email.bjsservices.com>

You CQC guys sure are encouraging to a new qrp participant and a prospective one. I was visiting with Bill W5SB during the contest to see what a qrp contest was like. I liked the pace and the length of the qrp contest and how easygoing and helpful the qrp'ers are to the newcomers. I must have been misinformed, but I guess there are a few in every group.

Thats All !!!!!!! Larry WA5SAJ

 Date: Tue, 26 Aug 1997 18:13:38 EDT
 From: wb2vuo@juno.com (William K Hibbert)
 To: qrp-l@Lehigh.EDU
 Subject: [25561] Re: Aerial hardware again
 Message-ID: <19970826.180859.2063.0.wb2vuo@juno.com>

----- Begin forwarded message -----
 From: Ed Tanton <n4xy@bellsouth.net>
 To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
 Subject: Re: Aerial hardware again
 Date: Tue, 26 Aug 1997 17:07:17 -0400

The magnet won't work at all-or at least won't work very well. I have found that the better the SS, the less attraction there is.

 <snip>-----

Stainless steel comes in a couple of basic forms, and about 50 different alloys.

The alloys are usually identified with a 3-digit number, and various letter designators.

The 300-series stainless is (usually) the non-magnetic (Austenitic??) variety, and the 400-series is the magnetic (Martensitic ???) variety. I have the books on this, back in the shop, but I am (nominally) on vacation, this despite all of the job-related telephone calls yesterday and today.

The differences go deeper than the magnetic properties, having to do with the brittleness of the alloys, workability, corrosion-resistance, yield point, castability and so on...

What sticks in my mind is that 304 and 316L are used for bolts and nuts when corrosion-resistance is important, and these are often marketed as CRES fasteners and are found in Marine hardware.

They aren't cheap, but are worth the cost incurred.

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, AR QRP #68, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon (125 mW @ 28.287 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

Date: Tue, 26 Aug 1997 16:21:48 -0600
From: "Phil, K6LS" <k6ls@qsl.net>
To: bdenton@tenet.edu
Cc: qrp-l@lehigh.edu
Subject: [25562] Re: CQC W5SB
Message-ID: <340348EC.14CE@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Morris Denton wrote:

>

> ALL You CQC guys are full of crap.

NOW HOLD ON THERE PARDNER, using "ALL" is unfair to the Colorado QRP Club as a whole, If you have a problem with an individual, Best to take matters up with him/her.

I WILL NOT STAND FOR AN ATTACK ON A GROUP UNLESS WE, YES WE are ALL at fault.

I am not taking sides in this matter, just trying to 'protect' the good name of the club.

>>>> MY (K6LS) <<<< observation:

I heard you calling CQ repetitively, and for about 10 min I tried calling back... NO luck on my end, but hey, thats the way it is, no biggie- on to others I went.

I will also note that I perceived the interval between your CQ's as being somewhat questionable.

--

73 de Phil, K6LS/0
QRP-L #612 NorCal #824
CQC #471 ARCI #8866
k6ls@qsl.net <or> k6ls@amsat.org
DM79or, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
<http://www.qsl.net/k6ls>

Date: Tue, 26 Aug 1997 18:30:21 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: Timothy H Ahrens <tahrens1@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [25563] Re: Schematic wanted for Atlas 210X

Message-ID: <Pine.GS0.3.96.970826182929.13385A-1000000@callisto.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Tim,
I copied the manual today. It will be in the mail tomorrow and you should have it Friday or Saturday.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Tue, 26 Aug 1997 21:30:18 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: kq0i@juno.com, qrp-l@lehigh.edu
Subject: [25564] Re: information sources
Message-ID: <19970826213016.AAA27767@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 03:14 PM 8/26/97 +0000, you wrote:
>More and more when questions are asked on this list, the reply takes the
>form of "look at so and so's web page" or something similar. Just a
>reminder that a goodly number of us qrp-l ers are not on the internet, we
>just bumble around using e-mail.

I have an extensive list of mailing lists/reflector which I could distribute to any Mail Bound/Net deficient" folks who are interested. If you are interested send a message to bob_ke4qok@juno.com all lower case and ask for the list. If you make the request as a reply to this message I will probably miss it.

(o o)

_____o00_()_00o_____
73 es TNX Advanced, W5YI VE, ARRL Member 136 Hermitage Road
KE4QOK KE4QOK@worldnet.att.net Newport News, VA 23606
Bob ke4qok@juno.com (757)930-0348

Date: Tue, 26 Aug 1997 17:48:15 -0400 (EDT)
From: David Clemons <dave@egh.com>
To: qrp-1@Lehigh.EDU
Cc: bdenton@tenet.edu, lmccain@bjsservices.com
Subject: [25565] CQC W5SB
Message-ID: <Pine.LNX.3.91.970826173006.22968A-1000000@newman.egh.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all,

I don't quite understand the big deal made by some who were not answered by W5SB in the CQC. As an experienced tester of some 20+ years, I don't find it unusual at all that sometimes a station can be heard but cannot hear an operator from a certain area. I remember cq'ing on the 10 meter contest once and having my friend Randy K5ZD come on frequency and ask me if I couldn't hear any of the several stations calling me. Obviously I couldn't - at my particular location I sometimes have very high QRN levels (caused, I suspect, by the high tension lines 1/4 mile away). Many times in DX contests, I can tell there are very weak stations calling me but cannot pick anything out.

I'm sure that this problem occurs even more often when everyone is using QRP. Makes sense, doesn't it? QRP may be fun and it's impressive what distances one can work (I think so), but 5 watts power does have its limits. I operated the CQC for an hour, and I gave all my qsos a 559 report. For many of them, this was quite generous. (Perhaps many of them were also generous to me.)

So, what should we do when someone can't hear us? Follow the standard practice of most testers and call the station as many as 3 times. If you get no answer, note the frequency and come back later (10 minutes). Usually the conditions will have changed a little. If not, wait another 10 or so. The only time I've found this not to work is when the band is about to close down.

And to Bill W5SB and Larry WA5SAJ, I wish you well in your future QRP work. And by all means, don't drop out of QRP testing because some people have been critical of you. The loss will be shared by us all, but the major part will be suffered by you. Events like these (contests, both QRP and QRO) are one of the greatest parts of the hobby.

73, Dave Clemons K1VUT

Worked him last evening, he was 589, really! Called N3FRT on the landline ... he couldn't even hear him! Sorry Bob, he was so strong and you live about 1/4 mile down the street, thought for sure you would hear him. Torture!

Anyone needing Hawaii ... from anyplace ... this be the guy!
So far, 127 confirmed. Good hunting.

Craig, AA3MD
Washington, D.C.

Date: Tue, 26 Aug 1997 16:03:30 -0700
From: Roger Hightower <n7kt@dancris.com>
To: qrp-l@lehigh.edu
Subject: [25568] Re: CQC W5SB
Message-ID: <340360C2.6BFB@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I too heard Bill, W5SB during the test, and answered his CQ. No response after several tries, but no big deal. There were others I couldn't get either. 950 mw and QSB doesn't always do it.

--

72/73 de Roger N7KT n7kt@dancris.com Mesa, AZ Grid DM43cj
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383
AK-QRP 167

Date: Tue, 26 Aug 1997 20:44:18 GMT
From: k8cv@juno.com
To: qrp-l@lehigh.edu
Subject: [25569] W5SB.....
Message-ID: <19970826.232619.10198.0.k8cv@juno.com>

I worked Bill on two bands and got the 5w both times. 20m and 40m and I only worked 4 other guys on 40 as it was terrible for me there. Used my qrp++ after doing Larry East audio limiter mod. It now sounds like a real radio.

Walt K8CV

Date: Wed, 27 Aug 1997 00:03:24 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@lehigh.edu
Subject: [25570] Contest Issues
Message-ID: <199708262303.AAA01411@chuck.dallas.sgi.com>

Gang,

The issues raised are apropos to contesting and day to day operation.

During a contest if someone doesn't come back to me after two calls I do the following. Move UP 600Hz and call them. Still no answer then I move down 1,200Hz and call them. If the still don't hear me, then go away and come back later.

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>
K5FO's online Morse Code course --- see the home page
WIMPS: Qs=063 30m=56 17m=7 12m=0 States=28/05/00 DX=05/02/00 QSLs=025

Date: Wed, 27 Aug 1997 00:06:02 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@lehigh.edu
Subject: [25571] Solar Flux
Message-ID: <199708262306.AAA01423@chuck.dallas.sgi.com>

Current 10.7cm solar flux measurements are at 84 and predicted to go higher. This is the region coming round that appeared 27 or so days ago. Maybe KL7's are on for grayline propagation.....

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>
K5FO's online Morse Code course --- see the home page
WIMPS: Qs=063 30m=56 17m=7 12m=0 States=28/05/00 DX=05/02/00 QSLs=025

Date: Tue, 26 Aug 1997 19:37:48 EDT
From: kt3a@juno.com
To: AlK0FRP@aol.com
Cc: qrp-1@lehigh.edu
Subject: [25572] Re: CQC W5SB
Message-ID: <19970827.190738.5327.10.kt3a@juno.com>

I worked W5SB during the test and he gave a 559 to my modest station.
He also sent that he was using 5 watts.

Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Tue, 26 Aug 1997 19:37:48 EDT
From: kt3a@juno.com
To: qrp-1@Lehigh.EDU
Cc: W3HMS@aol.com, BobWicks@aol.com, w6toy@erols.com, wa8mcq@u1.abs.net,
k3tks@u1.abs.net, djohnson@acpub.duke.edu, ku7y@sage.dri.edu, w1hue@amsat.org,
Byron8LCZ@aol.com, k7sz@juno.com, /DD.id=rgob@tco.infonet.com,
k8dd@contesting.com, w4du@bellsouth.net, w4qo@America.Net,
adams@chuck.dallas.sgi.com,
Subject: [25573] New Contest Coming next Year
Message-ID: <19970827.190725.5327.8.kt3a@juno.com>

Inspired by the CQC and AZ clubs sponsoring contests,
I finally came up with my own idea of a contest.
I need to have dates that would be good for one.
Those who have databases for contest dates, please
give me a few options.
This contest will sponsored by the QRP Society of
Central Pennsylvania. It will feature a new type of
multiplier never used before. No guessing either.
Send me some dates, and when I have a date, I 'll
make the announcement. I already the the name.
No, it's not related to BuBBa either.

Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Tue, 26 Aug 1997 17:53:39 -0600
From: "Phil, K6LS" <k6ls@qsl.net>
To: adams@chuck.dallas.sgi.com
Cc: qrp-l@lehigh.edu
Subject: [25574] Re: Contest Issues
Message-ID: <34035E73.44E7@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck Adams wrote:

> During a contest if someone doesn't come back to me after two
> calls I do the following. Move UP 600Hz and call them. Still
> no answer then I move down 1,200Hz and call them. If the still
> don't hear me, then go away and come back later.
>

Ahh haa, yep, I tried (make that- USE) all them thar secrets...

from the book about DXing by a _ _KNI (?) (sorry, I dont have my copy
handy, but that sure is a darn good book, will open the eyes of
many- It did me) (I think it was spoken of at Pacificon last year)
(? complete guide to dxing ??)

can someone assist ?? would be an excellent book to post a review on...
If I could remember the name I would recomend it highly!

--

73 de Phil, K6LS/0
QRP-L #612 NorCal #824
CQC #471 ARCI #8866
k6ls@qsl.net <or> k6ls@amsat.org
DM79or, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
<http://www.qsl.net/k6ls>

Date: Tue, 26 Aug 97 16:57:00 -0700
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [25575] Wayne Burdick's Biker Bonanza
Message-ID: <199708262356.QAA20409@guppy.pond.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

For the Flight of the Bumblebees, Wayne Burdick, N5KR, put together an amazingly compact vertical antenna. Wayne biked down to the edge of San Francisco, put up that little antenna, and smoked em!

For Wayne's commentary and photographs, go to
<http://www.natworld.com/ars/photos/>.

Russ Carpenter, AA7QU
Contest Manager for Adventure Radio Society

Date: Tue, 26 Aug 97 16:57:03 -0700
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [25576] How to Erect a 700 Foot Tower for No Money
Message-ID: <199708262356.QAA20412@guppy.pond.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Notwithstanding his generally slothful character, this person lucked into a pretty good result for the Flight of the Bumblebees. The secrets--great software from Brian Beezley and VOA, a pair of legs, and a cliff.

All is revealed at <http://www.natworld.com/ars/equip/cliff/cliff.html>.

Russ Carpenter, AA7QU
Contest Manager for Adventure Radio Society

Date: Tue, 26 Aug 1997 20:01:36 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: wmeara@erols.com
Cc: qrp-l@lehigh.edu
Subject: [25577] Re: Color burst characteristics?
Message-ID: <3.0.1.16.19970826200136.2cafd3e2@mail-cluster.pcy.mci.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

At 06:22 AM 8/26/97 -0400, Bill Meara, N2CQR wrote:

>I just got a big bunch of color burst crystals from Dan's Small Parts.

>(Three cheers for Dan! He's providing a great service for ham radio!)

>

>I plan on using these rocks to construct a CW ladder filter for my HB 20

>meter superhet.

>I realize that these values may vary from one batch of crystals to the next,

>but has anyone out there measured the unloaded Q and series resistance of

>color burst rocks?

>I'm hoping that these values will be pretty standard so I can determine

>correct capacitor values and end terminal impedance (without building test

>gear more complicated than the RX!)

>

>73 de N2CQR

>Bill Meara, Falls Church, Virginia

>wmeara@erols.com

><http://www.mindspring.com/~johnmb/billm.htm>

>

>

>

Bill, the only one I have measured was as follows:

Fo = 3.578617 MHz

Rs = 38 ohms

Cm = 7.33x10⁻¹⁵ Farad

Lm = 0.27 Henry

Qu = 120,200

A very good crystal to say the least. Others might vary by 100%
on Rs and Q, but at least it is a starting point for your design.

Have fun.....Jim

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com		__o H.F. bicycle mobile
Fenton, MI		_`\<, Mizuho 17/40 SSB
...	..	(*)/(*)
NorCal 38S/30 Log	-	34 States; 40 Countries - Running 3 watts
Most recent -	Iowa	Mauritius
NorCal 38S/17 Log	-	8 States; 6 Countries - Running 1.5 watts
Most recent -	Oregon	Denmark

Date: Tue, 26 Aug 1997 18:45:43 -0400

From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>

To: qrp-1 <qrp-1@Lehigh.EDU>

Subject: [25578] 20m alive and well!
Message-ID: <Pine.3.89.9708261843.C1131-01000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

In the past week, you may have noticed the Solar Flux increasing...

Heard in the past week, 20m, MOBILE in Maryland:

Around 1200z:

Two DU stations
One HL station
One V7 station
A bunch of Western Russians, English, and others

VK2ILK - TODAY, WORKED at 1145z, LONG PATH, SSB, 20 watts!

Heard and worked between 2000 and 2200z:

A bunch of Italians, UKers, Germans, Russians, French, etc., and worked a
guy from T7 (San Marino).

Late at night (0200z) the Siberian guys have been coming up!

And to think the battery in my keyer died, and I've been forced to work
phone!

AND to think the SFI is only in the 80s! At the peak, it'll be ABOVE 200!!!

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 80 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** Hamfest, life's simple joy *

Date: Tue, 26 Aug 1997 19:38:03 -0700
From: "Kelly Ellison" <kelman@dialnet.net>
To: <v31ry@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [25579] Re: Solar flux and 10m openings
Message-ID: <199708270037.TAA32609@shell.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Glenn and all,

Does 10 meters start to open when the flux is only at 84? I think the activity that we are hearing on 10 is caused by other forms of propagation such as E skip? Does anyone know what kind of numbers we need to see before the muf hits 10 and 15? And, do we need to see these numbers for long periods rather than just a two day peak? Inquiring QRPers want to know?

Best Regards,

Kelly --WB0WQS
Aurora, Missouri

```
> From: AE0Q V31RY <v31ry@ix.netcom.com>
> To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
> Subject: Solar flux and 10m openings
> Date: Tuesday, August 26, 1997 1:03 PM
>
> The increased solar flux has 10 meters open to Calif today.. While
> checking for RTTY signals I'm hearing the usual 'freebanders' on 28.085
AM,
> using their typical language and echo-boxes.. The loudest here in CO is
> near Truckee, CA..
> Too bad they're the only ones using the 10m CW ham band!
>
> Should be a good weekend on the air, with the flux up 10 points..
>
```

Date: Tue, 26 Aug 1997 18:05:37 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@lehigh.edu
Subject: [25580] Update - BUBBA Bonus Points!
Message-ID: <199708270105.SAA18956@usr03.primenet.com>

Howdy Folks,

Last-minute addendum to the rules for the AZ ScQRPions'
BUBBA Summer QRP Sprint. We're adding a rabbit (fox?)
in there for everyone to chase!

Ya see, we had this wild idea of getting a club callsign because... well... everyone else was getting them. And who are we to miss out on a good lemming migration? So we scurried about and got one. And now (like a dog that actually caught the car) we're trying to figure out what the heck to do with one. :-)

So during the BUBBA Sprint, if you find and work the "Alpha BUBBA" (callsign NQ7RP) you'll get to add 3,000 points to your final score. Which might just be the difference in winning that Super Size Meal(tm) at McD's. We're talkin' BIG stakes here!

The ScQRPion behind the club call will be none other than Floyd, NQ7X, Master Bagger of Foxii. Yes, in a fitting twist of irony, last year's Uber-Hunter will now be the hunted. Hound him 'til he hurts. :-)

So: Work NQ7RP and add 3,000 points to your final score.

Thanks for the bandwidth and hope you can spare an hour or so to join the rest of us in a frenzy of glorious Bubba-hood!

(Full updated rules to follow soon.)

Cheers de AB7TT,

-Bubba Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

AB7TT's True Signs of the End of the World:

- 1) Microsoft is now selling interactive Barney dolls. (Really!)
- 2) The Spice Girls.

Date: Tue, 26 Aug 1997 21:25:02 -0400
From: "Thomas J.McCuen" <TMcCuen@CompuServe.COM>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [25581] St Louis Tuner
Message-ID: <199708262125_MC2-1E4F-E385@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

I just finished building a St Louis Tuner.... =

Maybe someone can answer this;

1) All seems to be working well (tried on coax only at this time) but every now and then when attempting to tune up , the reflected power would jump up to full scale (almost like a bad connection but none found) and=

a
rushing sound would be heard on the rig.
Any Ideas?

2) Also there appears to be a second null that can be tune for low reflected but this also lowers the output abt by half (at higher ca=

p
)
Loss some where?

tnx in advance
Tom aa2vk

Date: Tue, 26 Aug 1997 19:57:06 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@Lehigh.EDU
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25582] Re: Contest Issues (DXer Book)
Message-ID: <34038972.223D@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Phil, K6LS wrote:

>
> Chuck Adams wrote:
> > During a contest if someone doesn't come back to me after two
> > calls I do the following. Move UP 600Hz and call them. Still
> > no answer then I move down 1,200Hz and call them. If the still
> > don't hear me, then go away and come back later.
> >
>
> Ahh haa, yep, I tried (make that- USE) all them thar secrets...
>
> from the book about DXing by a _ _KNI (?) (sorry, I dont have my copy
> handy, but that sure is a darn good book, will open the eyes of

> many- It did me) (I think it was spoken of at Pacificon last year)
> (? complete guide to dxing ??)
>
> can someone assist ?? would be an excellent book to post a review on...
> If I could remember the name I would recomend it highly!
> --
> 73 de Phil, K6LS/0
> QRP-L #612 NorCal #824
> CQC #471 ARCI #8866
> k6ls@qsl.net <or> k6ls@amsat.org
> DM79or, Arapahoe County, Colorado
> ITU zone 7, CQ zone 4
> <http://www.qsl.net/k6ls>

'The Complete DXer' by Bob Locher, W9KNI
The best money spent on ANY book about proper radio technique and
etiquette. My country count went WAY up after reading this book. Still
re-read it often. Of course I was QRO back then ;-)

Best
Jess NOTFI

Date: Tue, 26 Aug 1997 19:57:22 -0600
From: "Timothy J. Pettibone" <tpettibo@nmsu.edu>
To: qrp-l@lehigh.edu
Subject: [25583] ARRLDX
Message-ID: <3.0.3.32.19970826195722.00689584@dante.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Got my latest QST today and impressed myself with my non-impressive
Division leader position in the ARRL DX contest-cw. I had 39 Qs and 21
Mults. My entry gave me 1st in Rocky Mountain, and 3rd in the Midwest
Region. Let's put it in perspective ... Rocky Mountain Division has four
states and here are the number of QRP entries from each: CO - 0, NM - 2, UT
- 0, and WY - 0. Some will laugh but if you don't turn in a log, you'll
never win. I like collecting the wall paper so go ahead - make my day, let
me win with punny scores! I used to get even better stuff when I contested
from Alaska, being DX and all. Contests are fun, even when you don't take
them terribly seriously. And turning in logs is good 'cuz they can use
them for check logs, and you may win something.

Tim K50I (the call that's in BOLD under NM)
Las Cruces, NM "The land of enchantment"

Date: Tue, 26 Aug 1997 22:41:55 -0400 (EDT)
From: AlK0FRP@aol.com
To: QRP-L@lehigh.edu
Subject: [25584] K0FRP about W5SB
Message-ID: <970826223942_1218995364@emout19.mail.aol.com>

Gang

I just finished a Long message to Bill. Explaining what I heard from others and some things about QRP contesting. He said this was his first QRP contest, and offered some suggestions.

I am sorry to others if I misspoke. The intent was not to cause any bad feelings to Bill or others. I just asked Why?

Please except my deepest apologies, that was not the intent.

Al K0FRP

Date: Tue, 26 Aug 1997 23:37:01 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: n5inz@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [25585] Re: Dremel tools and the like.....
Message-ID: <85256500.00135982.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Hosfelt Electronics in Ohio, 888-264-6464 and 800-524-6464 has PWB drill bits in varying sizes. They also have some good small regulated power supplies that work good for QRP stuff too. Lots of stuff in their catalog. Not lots of F items, but quite a selection of other things you need.

Watson/WB4EXW

Date: Tue, 26 Aug 1997 20:44:24 -0700
From: cleveland@usa.net (Grover Cleveland)

To: qrp-1@lehigh.edu
Subject: [25586] Re: Update - BUBBA Bonus Points!
Message-ID: <v02130500b029527a8ff5@[208.25.63.187]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>difference in winning that Super Size Meal(tm) at McD's.
>We're talkin' BIG stakes here!
>
Well with the Super Size meal you're still not talking big Steaks!

G

K7TP

Date: Tue, 26 Aug 97 21:51:24 MDT
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@lehigh.edu
Subject: [25587] 30 meters
Message-ID: <9708270351.AA23095@rgfn.epcc.Edu>

Well, the band seems to be open tonite - just worked Jean, F5PVI
near Toulouse. Jacky was also on (3b8cf) both near or on 10.105.
Did not work Jacky as twice in one week is a bit greedy.
Had a nice qso with Roy W6EMT last nite on the NW QRP net (10.123)
and Brian W7DF0. Tonite, worked Dennis K8KXX for a nice qso -
if memory is correct Dennis used to make BIG linears called
Dentron's - now runn8ng ning QRP!. Nice the to see the band in
good condition - flux 84 boulder K inde A index and K index both low.

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

Date: Tue, 26 Aug 1997 23:55:34 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-1@lehigh.edu
Subject: [25588] Re: Dremel tools and the like.....
Message-ID: <85256500.0015659C.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Oops! I see I did not proof my note enuf. The last sentence should read
"Not lots of RF items..."

----- Forwarded by Watson R Gabriel Jr/Gen/DukePower on
08/26/97 11:53 PM -----

wgabriel@duke-energy.com
08/26/97 11:37 PM

Please respond to wgabriel@duke-energy.com

To: qrp-1@lehigh.edu
cc: (bcc: Watson R Gabriel Jr/Gen/DukePower)
Subject: Re: Dremel tools and the like.....

Hosfelt Electronics in Ohio, 888-264-6464 and 800-524-6464 has PWB drill
bits in varying sizes. They also have some good small regulated power
supplies that work good for QRP stuff too. Lots of stuff in their catalog.
Not lots of F items, but quite a selection of other things you need.
Watson/WB4EXW

Date: Wed, 27 Aug 1997 00:01:13 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [25589] BOBTAIL QUESTION

Message-ID: <970827000051_513464518@emout13.mail.aol.com>

I finally have an opportunity to be able to put up a BOBTAIL antenna. From what limited information I have it appears one of the highest gain wire antenna designs. The only "complete" design I found was shown in ORR's book on VERTICALS which consist of three vertical wires each 34' with spacing between the three vertical wires of 70.3'. At the base of the center one is a L-C circuit to ground for tuning the "array". There was a technical paper on the net showing feeding the antenna at any point along the center vertical but no real details on construction or tuning.

Is there a "best" design for the BOBTAIL or is the one in ORR's book the best way to go? Are they fairly easy to tune? I really appreciate all the help you have been todate.....thanks...alan kb7mbi

Date: Tue, 26 Aug 1997 21:02:24 -0700
From: Lee <jcs4us@cosmoaccess.net>
To: cleveland@usa.net
Cc: qrp-1@Lehigh.EDU
Subject: [25590] McD's Steak sand.. BUBBA Bonus Points!
Message-ID: <3.0.3.32.19970826210224.00a7d9bc@cosmoaccess.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

No you have it all wrong.... McD's was going to come out with a full fledged Big Steak sandwich.... But the advertiseing agency told them not to because it would be a Big McSteak.... 72, Lee

At 08:44 PM 8/26/97 -0700, you wrote:

>
>
>>difference in winning that Super Size Meal(tm) at McD's.
>>We're talkin' BIG stakes here!
>>
>Well with the Super Size meal you're still not talking big Steaks!
>
>G
>
>K7TP
>
>
>
>

- 38-Special NorCal Sierra MFJ-9406 Kenwood TS-130V ----

You can meet me and forget me and you have lost nothing....
But if you meet Jesus and forget Him you have lost everything...

<> <> <> <> <> <> <> <> <> <> <> <> <> <> <> <> <> <>

Date: Wed, 27 Aug 1997 00:14:41 -0400
From: Steve Heyroth <sheyroth@CompuServe.COM>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [25591] 50-40-30 KS Results
Message-ID: <199708270014_MC2-1E55-6993@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

30 METER RESULTS:

0005	N7VE	559	AZ	DAN	1W
0010	WA1QVM	569	MA	JOEL	4W
0016	W1GM	559	CT	CHRIS	5W
0023	KG8YT	559	MI	BRUCE	5W
0040	AC7Q	579	AZ	JOE	100W
0058	K4TP	569	NC	ART	100W
0105	KC40CS	569	AL	DON	50W
0111	K4GT	559	GA	JIM	2W
0130	WD4MSMS	449	IN	BARRY	5W
0144	AA8YN	569	OH	DICK	90W

40 METER RESULTS:

0220	K5ID	569	AR	KEN	5W
0240	AA8YO	444	MI	BOB	5W
0243	N7VE	559	AZ	DAN	3W
0305	N0EHZ	446	CO	JON	2W

=

Pretty dismal on 40 meters...bad QRM and QRN here. =

Now I remember why I wanted to upgrade from Novice.

Rigs were OHR Explorer II running 2 watts on 30 and
an OHR100 running 5 watts on 40. Antenna is a G5RV.

Thanks to all who worked me, especially N7VE who
found me on both bands, and WA1QVM who e-mailed me =

over a month ago declaring he was going to work me
Explorer II-to-Explorer II on 30 and did. Who says
QRP communications aren't reliable? =

Will start to QSL this weekend. If you're current =
in the on-line QRZ, you'll get a card. If not, =
better e-mail me your address.

TNX & 72,

Steve N5CLU

Date: Tue, 26 Aug 1997 22:04:58 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [25592] Re: Update - BUBBA Bonus Points!
Message-ID: <199708270504.WAA26911@usr05.primenet.com>

> >difference in winning that Super Size Meal(tm) at McD's.
> >We're talkin' BIG stakes here!
>
> Well with the Super Size meal you're still not talking big Steaks!

We're saving the Big Steaks for the Fox Hunt. If CA and TX
are up for it, that is. ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

AB7TT's True Signs of the End of the World:

- 1) Microsoft is now selling interactive Barney dolls. (Really!)
- 2) The Spice Girls.

Date: Wed, 27 Aug 1997 07:24:18 +0200
From: David.Reid@asml.nl (David Reid)
To: qrp-1@Lehigh.EDU
Subject: [25593] Re: information sources
Message-ID: <199708270524.HAA11812@wspub002.asml.nl>

So, you want web pages by email..... try this...

Dave
PA3HBB / G0BZF

w3mail HELP-file

W3Gate - A Web Access by email

W3Gate (Version 2.0) fetches documents from the World Wide Web and sends them via email to the requestor. Send an email addressed to w3mail@gmd.de with requests for a Web-document referenced by an URL or for help in the message-body. W3Gate doesn't read The subject-field. The usage of a mail-command is:

```
get [-t | -u | -a [ -c columns]] [-img] [-ps] [-l] [-uu] [-z] [-s size] URL
```

or

help

An URL consists of:

<scheme>:<scheme-specific-part>

The scheme is a protocol like http, ftp, wais, gopher and the <scheme-specific-part> consists of

//<user>:<password>@<host>:<port>/<url-path>

W3Gate fetches Web-pages as HTML source code, as plain text, as formatted plain text including all hyperlink references to other WWW documents, converted into postscript, as compressed file (Gnu zip), and as uuencoded file.

You can also access password-protected files (see scheme-specific-part).

You are able to get a Web-document and all inline-images as body-parts of a MIME-mail (Content-Type: multipart/mixed). Moreover links within a Hypertext-file are often interesting. Therefore W3Gate can fetch the HTML-file and all files that are referenced by hyperlinks from that file.

Then you also receive a MIME-mail with Content-Type: multipart/mixed.

If the email contains more than one get-command W3Gate processes each command (max. 10) and sends the result of each command in a separate mail to you. Only one command per line is permitted. The first word in a command-line must be a 'get' or 'help'! The URL must start in the same line as the 'get' or 'help' begins. You can split large URLs over several lines using the '\'-character.

Files larger than 100 KB are splitted into 100K-parts. As result you get emails with a sequence number in the Subject-field. So you can reassemble the files in appending the body-parts of each email according to the sequence number. At maximum W3Gate will send 5 MB or at most 50 mails. While reassembling you have to pay attention on the first/last line of each partial-file (especially on binary files).

You can use following command-options:

-t : The Web-page is formatted to plain ASCII-text

-u : The Web-page is send to you as formatted plain text preserving all URLs occuring in anchor-tags within the HTML-Source.
The URLs are relative to the URL of the requested file.

-a : The same as -u but the URLs mentioned in links as absolute URLs.

-c columns :

This option can only be used in combination with the -t -u -a options!

After columns characters a newline-character is inserted into the plain-text.

If 'columns' is less than 40 it is set to 40. If 'columns' is greater or equal 40 and smaller than 255 or equal 255 it is set to this value, otherwise it is set to 255.

-uu : The file you specified is uuencoded before it is mailed to you. Remember that uuencoded files are 35 % larger. If you want to fetch a 5 MB-file it will become ca. 6.75 MB so you will only get the first 5 MB!

-z : the file will be compressed with Gnu zip. It is recommended to use -uu in combination with -z as it produces 8-bit data that cannot be delivered properly.

-img : W3Gate fetches all inline-images in addition to the requested HTML-file. The result is a MIME-mail (multipart/mixed).

-l: The referenced document and all HTML-files referenced by hyperlinks from that document (max. 50) are fetched, too.

W3Gate produces a multipart/mixed MIME-mail.

-s size: by this option you can fix the size of emails you receive
in Kilobytes(!) to 1 K < size < 100 K.

-ps : The HTML-file/text-file is converted into postscript-format.

Some commands for example :

```
get -z -uu http://www.es.net/pub/rfcs/rfc1738.txt
get -t -c 132 http://www.es.net/html-stuff/rfcs.html
get -img http://www.gmd.de/
get -l -a http://www.gmd.de/
get gopher://gopher.es.net/77/.waisindex/rfcs?MIME
get -s 16 -uu ftp://ftp.gmd.de/misc/computersongs-1.4.Z
```

You can split Long URLs into several lines (max. 10 lines).
Therefore you must append a backslash (\) to the partial URL to indicate that
it is continued in the next line. Multiple breaks of URLs are also possible.

```
get http://www.altavista.digital.com/cgi-bin/query?pg=aq&what=\
web&fmt=.&q=Universitaet+and+Bonn+and+Informatik+and+Netzwerke&\
r=&d0=&d1=
```

If you append a signature to your mails propose a '-- '
(two minus and one blank) to it in a separate line to indicate
that a signature follows.

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the message. W3Gate always checks the first word in the message-body.

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Information Technology. We reserve the right to stop this service at any time.

Date: Wed, 27 Aug 1997 01:45:09 -0400
From: Dale Scott <dcscott@us.ibm.com>
To: <qrp-l@Lehigh.EDU>
Subject: [25594] Source of Bits for Dremel Tools
Message-ID: <5030100007080759000002L092*@MHS>
Mime-Version: 1.0
Content-Type: text/plain

An excellent source of assorted size and shape bits for Dremel tools is as close as your friendly dentist. They often throw them away after a certain amount of usage. I've found most dentists more than willing to give them away and they seem to work great in the Dremel tool. BTW those hand pick things that dentist probe and scrape with can also be had for the asking and make great tools for scratching around on PC boards.

72 - dale/kc7khd

Date: 27 Aug 97 02:11:01 EDT
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@CompuServe.COM>
Subject: [25595] Back from EUROPE
Message-ID: <970827061101_70511.3041_IHD46-1@CompuServe.COM>

Gang:

Just returned from a fortnight in Eastern Europe, most notably UKRAINE, Russia and Switzerland. I was there mostly for tourism. Had hoped to bring along a small rig, at least for listening. But in the end no permission for any kind of amateur gear was allowed. Several of you had expected this might be the case.

But I am so glad to be back at the home QTH. Looking forward to re-establishing ties with everyone. Will be on the air during the day tomorrow. So if you hear me, please give a shout. I'll be watching for you, too.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 mn-qrp 19 nj-qrp 69 ak/qrp 139
ARCI 9398 ARRL WAS 49/38 DXCC 48/39 <><

Sierra Argosy 525 Argo 515 HW-9 Explorer II-40 SW-30 Norcal 40a
Emtech 40-40 SW-40 TT 1340 A&A Gary Breed 30 49er 38S Mercury
Paddles MFJ 259 MFJ 941D TNT/2 Windom SLV/W6MMA HB G5RV

Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Wed, 27 Aug 1997 01:28:04 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: chas@nmaa.org, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25596] Re: Dan's MPF131
Message-ID: <2.2.16.19970826232742.4f67e4a8@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:03 AM 8/11/1997 -0700, Charles Kadesch wrote:
>I noticed Dan has MPF131 dual gate MOSFETs on sale. I can't
>find any data on them in my Motorola Selection Guide. Does
>anyone know more about them? I am wondering if they might do
>as replacements for the now hard to find (and expensive) 40673
>which are used in numerous QRP circuits (QRP Notebook etc.)

Carr suggests NTE222's as an alternate to the 40673. Fry's stocks these.

72,

John

@~~~

@ John Elder, Ko6TS
@ PHROG (Pagan Ham Radio Operators' Guild)
@ Box 232, El Segundo, CA 90245
@ Major Strausser has been shot . . . Round up the usual suspects!

Date: Wed, 27 Aug 1997 02:50:07 -0400 (EDT)
From: Scott Bauer <ke3nv@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [25597] 425 DX news.
Message-ID: <199708270650.CAA10709@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello QRPers,

I currently subscribe to 425 DX news, but forgot how to post to the group. Can anyone help??

Thank you in advance. Im sure there will be way too many replies to respond to every one. So Thanks Again :-)))

Scott

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV

" You may be on the right track, but will get run over if you just sit there".... Will Rodgers

visit my web page at <http://www.erols.com/ke3nv/>
QRP-L 728
DL-QRP-AG

Date: Wed, 27 Aug 97 06:27:03 -0500
From: Larry Trullinger <kb0emb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25598] SST - working
Message-ID: <199708271122.GAA11588@SWBELL.net>

-- [From: Larry Trullinger * EMC.Ver #2.5.02] --

Gang,

Finished the SST last night, works great ! Thanks to the Wilderness bunch for a neat little radio !!! The RX by just listening seems 'tighter' than my TS 140 w/500 hz CW filter. Also the audio is a little low (compared to sidetone), will try the suggested mod to increase the bandwidth. VX0 range runs 10.106 to 10.118 using the D4a varactor.

The TX power seems a little low also, about 1.7 watts and final % effcy is just under 60% so will likely try the removal of 1 turn from L2 - L3. Am going backpacking this weekend and plan on taking the SST 30 for some field use =;-)

If anyone has been thinking about one of these, I would definitely recommend it.

72/73 Larry kb0emb

Date: Wed, 27 Aug 1997 07:24:39 -0400
From: K4AHK@ix.netcom.com
To: slombard@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25599] Re: The toroid program on the norcal page.
Message-ID: <34040E74.1ACD@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Go to the source listed below for this same program (if I didn't
misstype the URL) and you will be able to see the source code as
indicated at the bottom of the page.

http://www.chemeng.ed.ac.uk/people/jack/personal/radio/design_toroid.html

72 - Bill - K4AHK

Date: Wed, 27 Aug 1997 07:40:37 -0400
From: Bruce Milne <bmilne@eznet.net>
To: qrp-1@Lehigh.EDU
Subject: [25600] FS Yaesu FT-840
Message-ID: <3.0.1.32.19970827074037.0068d3d4@popmail.eznet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

August 27, 1997

I have for sale a Yaesu FT-840 in mint condition, with the cw filter (a
\$120 value). Excellent for QRP work, will adjust down to one watt. \$750
(including cw filter and hand mic). Phone (315)- 536 - 8070 or email
bmilne@eznet.net.

Thanks for the bandwidth.

Let's keep in touch

Bruce Milne

E-mail: bmilne@eznet.net

Homepage: <http://www.eznet.net/~bmilne/>

Date: Wed, 27 Aug 1997 13:20:58 +0000
From: Gary M - W2UX <MAIL4GARY@worldnet.att.net>
To: QRP-L@Lehigh.EDU
Subject: [25601] Shelby, NC, Hamfest anyone?
Message-ID: <19970827132056.AAA15451@GARY>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone going to the Shelby Hamfest?? Would like to meet up with you.

73/72

Gary - W2UX
CW is the REAL THING!
Lexington, SC

Date: Wed, 27 Aug 1997 06:36:20 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Dale Scott <dcscott@us.ibm.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25602] Re: Source of Bits for Dremel Tools
Message-ID: <Pine.BSI.3.96.970827063346.28935B-1000000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 27 Aug 1997, Dale Scott wrote:

> An excellent source of assorted size and shape bits for Dremel tools is as
> close as your friendly dentist. They often throw them away after a certain
> amount of usage.
>

Another good source is jewelry supply shops. I use a lot of 1/8"
and 3/32" crown engraving cutters (they call them burrs) to cut track in
PC board material for RF prototypes, and I can get these cutters for far
less than what the hobby shops get for Dremel cutters.

Chris

Date: Wed, 27 Aug 1997 10:22:53 -0700

From: Harry Bump <bump@redrose.net>
To: QRP-L <qrp-l@Lehigh.EDU>, TMcCuen@compuserve.com
Subject: [25603] Re: St Louis Tuner
Message-ID: <3404626D.7563@redrose.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thomas J. McCuen wrote:

>
> I just finished building a St Louis Tuner....
>
> Maybe someone can answer this;
>
> 1) All seems to be working well (tried on coax only at this time) but
> every now and then when attempting to tune up , the reflected power would
> jump up to full scale (almost like a bad connection but none found) and a
> rushing sound would be heard on the rig.
> Any Ideas?
>
> 2) Also there appears to be a second null that can be tune for low
> reflected but this also lowers the output abt by half (at higher cap
>)
> Loss some where?
>
> tnx in advance
> Tom aa2vk

Tom,

If you're on the dummy load and reflected power pops up; you need a more positive connection from the ground side of your 50 ohm resistance to the chassis. On mine, I ran a piece of hookup wire accross the top of the board at the base of the resistors (I paralleled the trace underneath) and wrapped it under the holddown machine screw which is bolted to the chassis.

That solved it fer me.

73,

Harry, KM3D

Date: Wed, 27 Aug 1997 08:30:05 -0600

From: ji3m@maxwell.com (James R. Duffey)
To: slmachco@fix.net
Cc: qrp-1@Lehigh.EDU
Subject: [25604] Key Contact Material
Message-ID: <v02130506b029e15e1b1d@[192.31.66.229]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Doug - You asked about using stainless for key contacts; "Silver seems to be the usual choice, but the relative hardness and resistance to oxidation of stainless ought to make it a good choice. ... Does anyone have any experience with stainless as contact material?"

I don't have any direct experience with Stainless Steel as a contact material, but I would assume that it would tend to pit when used to switch higher voltages and/or currents. The spark produced will sputter material off the contact. Stainless steel is an alloy containing molybdenum, chromium and other materials in addition to steel. These materials all sputter very different rates. The surface will become uneven and the high points will sputter even faster leading to even more unevenness. This will cause pitting.

I would not expect this to be a problem when switching the modest voltage and current levels involved in a QRP rig though.

"Coin Silver" is the traditional high quality contact material. This is an alloy of silver and copper which does not pit and is fairly hard. Silver is popular for contact material as the oxide is still a good conductor. To reduce the cost of the switches and relays other contact alloys have been developed.

I suggest you use contacts from a relay that has been discarded. Surplus relays are usually cheap when you can find them; if you don't have any in your junk box. A request to older hams will probably get you one free.

Clean the contacts before using them with a burnishing tool. If you don't have a burnishing tool to clean the contacts, you can clean them by closing them on a file card and pulling the card through. You may wish to use rubbing alcohol on a Q-tip on really dirty ones. Avoid using sandpaper or a file, even a nail file. The scratches they introduce on the contact can cause pitting.

That said, I don't see any reason not to use stainless for QRP use. I would be careful if you key an old tube rig with them though. Look for pitting after a few uses, and regularly thereafter. 30+ years ago you could have used a dime for a source of good copin silver contact material. Too late for that now. Let us know how it turns out. - Duffey KK6MC/5

James R. Duffey (505) 764-3143
Principal Scientist (505) 843-7995 (FAX)
Maxwell Technologies Inc/Albuquerque Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

Date: Wed, 27 Aug 1997 08:32:28 -0600
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Cc: w5bi@flash.net, n7tx@primenet.com
Subject: [25605] Solar/This Contest Weekend
Message-ID: <19970827.083232.2862.0.wa5whn@juno.com>

qrp-lers,

Since Kent Torrell is the official "Solar Prognosticator" for the Az. scQRPions, he should have some good news about this weekend. (Az. scQRPion Bubba Sprint). Take a look @ the following URL;

<http://www.sel.noaa.gov/today.html>

Note the reference to C & M class flares, and the weak coronal hole, coming into view. 28.060 MHz, 21.060 MHz should be active during this contest period. Great photo of the Sun in the hydrogen-alpha part of the spectrum, at the above URL.

Oh, for AB7TT, Joe, the face on the planet Mars, in the Sedona region. The mystery has been solved. It is the face of a USAF Crash Dummy. ;)

Wahoo !!! Looking forward to this contest weekend. NQ7RP (aka NQ7X) will be let out of the Hen House (The Fox is always in the Hen House.) Talley Ho...

For official Bubba Sprint (Az. scQRPions) rules, check out the KI7MN URL, or email AB7TT (vole@primenet.com). Probably see most of You at the Victory Party @ McD's later. ;)

Albuquerque, NM USA

72...Jay, WA5WHN DM65qd

Date: Wed, 27 Aug 1997 10:47:18 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [25606] Re: How to Erect a 700 Foot Tower for No Money
Message-ID: <34043DF6.1B69@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've gone to Mt Higby in Middletown CT with NN1G.
I recall a 400 ft drop to the west--Zack W1VT

Date: Wed, 27 Aug 1997 11:19:14 -0400 (EDT)
From: PDouglas12@aol.com
To: QRP-L@Lehigh.EDU
Subject: [25607] CQC contest
Message-ID: <970827111908_84858191@emout02.mail.aol.com>

Hey guys, do you know that that was W5SB's ****FIRST**** contest? So, quit honking your horns at a new driver. Or is the idea of the exercise to teach by humiliation? Drop the subject please.

Preston WJ2V

Date: Wed, 27 Aug 1997 10:31:33
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [25608] Small Loop tuning cap
Message-ID: <3.0.1.16.19970827103133.2d2f368a@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Looking through some back issues of QST last night and found an article on how to build a neat tuning cap for a small loop. (A home-brew loop tuning

capacitor, by Bill Jones KD7S, Nov 1994 QST pg 30)

Basically two sets of two pipes that slide together, looks like a Trumbone slider. The snag is it needs a sheet of Teflon insulation wrapped around the inner, sliding pipe, for insulation and a dielectric.

The text mentions that polyethylene will also work. I don't have a clue where to get the Teflon sheets, nor does the article offer any suppliers. So, I'm wondering if I could use transparency film for a copier or laser printer?

Might not want to run 100 watts through it, but seems to me it should work alright.

I have the loop already, in theory good down to 40 meters. Only used it a few times before it fell down (long story) and broke the plexiglass box I had put the tuning cap in, so it's been laying around since. Now that the higher bands might be showing life, I think I'll rebuild the thing with this sliding cap and see what happens.

73,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 27 Aug 1997 09:04:05 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25609] Re: Small Loop tuning cap
Message-ID: <Pine.SUN.3.90.970827090302.18979A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Steve,

Put that film in the microwave with a cup of water. Run the oven for awhile and see if the film gets hot.

If it doesn't get hot, it should be ok to use.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 27 Aug 1997 10:28:40 -0600
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Cc: w5bi@flash.net
Subject: [25610] 10 meters mobile, Sporadic E/Aug. 27th
Message-ID: <19970827.102843.2742.0.wa5whn@juno.com>

qrp-lers,

10 meters SSB is open from NM (DM65) to Northern Calif. (Vacaville),
28.4 MHz (Sporadic E) @ 1616 UTC, a multitude of NorCal Stations on. I
was copying S-7 signals on my Uniden HR 2510, using a mag mount (modified
CB whip). I am glad that I had thrown the rig in the vehicle this
morning. :)

Heads up on 6 meters (I don't have it in the car).

WAHOO !!! Surf's up... So is the MUF.

72...Jay, WA5WHN DM65qd Albuquerque,
NM USA

Date: Wed, 27 Aug 1997 11:23:35 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [25611] YIKES! - THE MAUNDER MINIMUM?
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Gang,

I'm sure most of you have seen the latest QST (9/97)
and the question posed on page 25 by WA3ZKZ.

In case you haven't seen it, he says there is something
called the "Maunder Minimum" in which the sun remains
dormant for up to 30 years. Very little activity, low

spots, low flux, etc. Last time it occurred was in the 1800s.

He asks the question: With all the predictions for Cycle 23, has anyone brought this phenomenon into account? Could this cycle be a bust? Should we sell our stuff and take up stamp collecting?

Anyone heard anything on this one? Very interesting stuff, but boy am I depressed thinking about 30 years of so-so.

73 de Dave NR3E/5
nr Dallas, TX
qrp-l #25, Winner:1997 Texas QSO Party, QRP
WIMPS: Qs=057 30m=041 17m=11 12m=05 States=027/06/04
DX=02/02/01

Date: Wed, 27 Aug 1997 12:35:46 -0400
From: Scott Bauer <ke3nv@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [25612] re:425 DX News
Message-ID: <199708271635.MAA27951@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all that sent me the correct info to post to the 425 DX News. I have it now.

72 73, Scott W3CV
72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV

" You may be on the right track, but will get run over if you just sit there".... Will Rodgers

visit my web page at <http://www.erols.com/ke3nv/>
QRP-L 728
DL-QRP-AG

Date: Wed, 27 Aug 1997 09:46:15 -0700 (MST)

From: Bob Hightower <ki7mn@dancris.com>
To: kd1jv@moose.ncia.net
Cc: qrp-1@Lehigh.EDU
Subject: [25613] Re: Small Loop tuning cap
Message-ID: <199708271646.JAA06307@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:31 AM 8/27/97, you wrote:

>Hi Gang,
>
>Looking through some back issues of QST last night and found an article on
>how to build a neat tuning cap for a small loop. (A home-brew loop tuning
>capacitor, by Bill Jones KD7S, Nov 1994 QST pg 30)
>
>Bascily two sets of two pipes that slide together, looks like a Trumbone
>slider. The snag is it needs a sheet of Teflon insulation wrapped around the
>inner, sliding pipe, for insulation and a dielectric.
>
>
Could you use teflon tape that plumbers use? I know you'd probably have to
use a lot of it to get the thickness you need, but it might be worth a
'cheap' try.

73,
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Wed, 27 Aug 1997 10:11:10 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [25614] Small Transmitting Loop Tuning Capacitors
Message-ID: <34045FAE.23F1@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

I am seeing some discussion on an article I wrote sometime back. I
would like to add my two cents worth.

I used Teflon in the original design because it was available, could withstand high voltages and was relatively inexpensive. However, other builders may not be able to find a source of Teflon. Other plastics can be used including polyethylene and mylar. While I suspect one could also use plumber's teflon tape, other plastics would probably be a better choice. Check the ARRL Handbook for the properties of various insulator materials. I'd be happy to answer any questions anyone may have on small loops.

>Looking through some back issues of QST last night and found an article on
>how to build a neat tuning cap for a small loop. (A home-brew loop tuning
>capacitor, by Bill Jones KD7S, Nov 1994 QST pg 30)

>

--

Bill Jones - KD7S <><
Sanger, California
kd7s@psnw.com

Date: Wed, 27 Aug 1997 12:15:52 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: kreinbd@ccgate.dl.nec.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25615] Re: YIKES! - THE MAUNDER MINIMUM?
Message-ID: <340460C8.916@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Kreinberg wrote:

>

>

>

> Gang,

>

> I'm sure most of you have seen the latest QST (9/97)
> and the question posed on page 25 by WA3ZKZ.

>

> In case you haven't seen it, he says there is something
> called the "Maunder Minimum" in which the sun remains
> dormant for up to 30 years. Very little activity, low
> spots, low flux, etc. Last time it occurred was in the
> 1800s.

>
> He asks the question: With all the predictions for
> Cycle 23, has anyone brought this phenomenon into account?
> Could this cycle be a bust? Should we sell our stuff and
> take up stamp collecting?
>
> Anyone heard anything on this one? Very interesting stuff,
> but boy am I depressed thinking about 30 years of so-so.

Don't mean to add to your depression but I seem to recall that there was
also a 200 year period with few if any sunspots. I think it was long ago
and they determined it from tree rings or some such method.

Date: Thu, 28 Aug 1997 00:12:57 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [25616] DDS Article
Message-ID: <3404520a.pandora@pandora.lugs.org.sg>

Hi,

For those who are interested, there is a rather interesting article
describing DDS technology and including a small circuit for a Harris
HSP45102 DDS chip in July's Circuit Cellar INK magazine.

73 de 9V1ZV Daniel

--

```
+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg      |
| QRP-L #667 | 9V1ZV@amsat.org                |
+-----+
```

Date: Fri, 22 Aug 97 16:35:00 PDT
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
To: qrp-l@Lehigh.EDU
Subject: [25617] Re: Help -Toroids with shorted turns

>From: "Bob Kellogg" <ae4ic@nr.infi.net>
>If you have a toroid inductor, and if you short several of the turns on
>that inductor, does it make the inductor more lossy?

73, Cecil, W6RCA, 00TC

72 - john - n0hj

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Wed, 27 Aug 1997 14:04:35 -0400 (EDT)

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, QRP-L List <qrp-l@Lehigh.EDU>, tenten-1@Lehigh.EDU
Subject: [25619] More on the EDZ "delay" line feed
Message-ID: <Pine.SOL.3.94.970827140204.17533A-100000@utkux4.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Henry Pollock, WB4HFL, took up the challenge of trying the delay-line impedance transformation feed for a wire 10-meter EDZ. I added some notes on his initial experiment and some subsequent modeling I did on the trial set-up. The technique indeed works.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	\	/	/		(FAX)	(423) 974-3509
37938-4443 USA	/	\	\	\					cebik@utk.edu
URL: http://funnelweb.utcc.utk.edu/~cebik/radio.html									

Date: Wed, 27 Aug 1997 13:25:32 -0400
From: pthomson@bruderhof.com
To: qrp-l@Lehigh.EDU ("Low Power Amateur Radio Discussion")
Subject: [25620] Re: YIKES! - THE MAUNDER MINIMUM?
Message-ID: <1D6F04348100001F5CAB@mail.bruderhof.com>
MIME-Version: 1.0
Content-type: text/plain; charset="ISO-8859"
Content-disposition: inline
Content-transfer-encoding: 7bit

John <jaeavans@codenet.net> wrote:

>Well, I have been having a blast the last few years on HF. I know
>it can get better, but even at its worst, it is pretty darn great !!!
>
>72 - john - n0hj

I saw an article last year showing that the average "area under the curve" of the recent sunspot cycles is declining. However, we

seem to get some propagation even with SSN=0. And there's always groundwave, satellites, EME, meteor scatter, and other propagation mechanisms not dependent on Old Sol.

As an LF enthusiast, I kind of like the low D-layer absorption that comes with sunspot minimums. But I still remember the peak years when I worked the world on 15m with an HW-8 and a dipole! For all you newer hams, those conditions should be on the way back.

72/73, Pierre KA2QPG

Date: Wed, 27 Aug 1997 11:23:41 -0700 (PDT)
From: Jim W7LS <w7ls@brigadoon.com>
To: slmachco@fix.net
Cc: qrp-l@Lehigh.EDU
Subject: [25621] Re: Key contact material? Got some!
Message-ID: <199708271823.LAA21409@siskiyou.brigadoon.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi, Doug. Say, I have a cure for you on the contact material. How would you like some silver contacts? I have some of them. Same ones that are used on Vibroplex keyer paddles, I think. I'd pass them on for a buck for a set of 4 contacts, which is what a keyer paddle set would take.

Best way to handle it if many folks want key contacts is to send me a SASE with a buck in it and I'll shoot it back with 4 contacts in a piece of tape or something.

I'm also sending this to the QRP-L in case others are interested.

72/73 de Jim, W7LS

Jim Hossack W7LS
15221 342nd Ave, NE
Duvall, WA 98019

At 02:15 PM 8/26/97 -0700, you wrote:

>I'm considering using stainless steel for key contact material and wondered
>if anyone has done so. Silver seems to be the usual choice, but the
>relative hardness and resistance to oxidation of stainless ought to make it
>a good choice. Stainless is easier for me to work with and procure. Does
>anyone have any experience with stainless as contact material? Thanks!

>

>73 Doug Hauff KE6RIE

>

>
>
>

Date: Wed, 27 Aug 1997 14:31:10 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25622] Re: YIKES! - THE MAUNDER MINIMUM?
Message-ID: <3404726D.48B7@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Sjolin wrote:

>
> David Kreinberg wrote:
> >
> >
> >
> > Gang,
> >
> > I'm sure most of you have seen the latest QST (9/97)
> > and the question posed on page 25 by WA3ZKZ.
> >
> > In case you haven't seen it, he says there is something
> > called the "Maunder Minimum" in which the sun remains
> > dormant for up to 30 years. Very little activity, low
> > spots, low flux, etc. Last time it occurred was in the
> > 1800s.

Hello everybody. I am new to the list and spend most of my time lurking (usually I don't have that much to add anyway). Anyway, sunspots are peripherally related to my day job.

A really neat account of sunspot activity appears in the article entitled "Global Warming on Trial" by Wallace Broecker which ran in the April 1992 issue of Natural History. Should be available in the local library.

In addition to the Maunder Minimum which occurred during 1660-1720, we also have evidence for the Wolf minimum (1260-1320) and the Spörer Minimum (1400-1540). Another unnamed sunspot minimum probably occurred from 300-500AD. Dating was done mostly by measuring isotopic

partitioning of oxygen.

Maybe it's time to develop an interest in VHF?

Henry
aka N5HF

Date: Wed, 27 Aug 1997 13:40:39 -0500
From: Dan Copeland <dcopeland@wwn.net>
To: qrp-1@Lehigh.EDU
Subject: [25623] SLV
Message-ID: <3.0.3.32.19970827134039.006ad270@pop.wwn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK I now have the SD-20 pole. I would like any hints as to the building of this thing. I promise that I will not send any spam to any of those who choose to help :-).

Tnx in advance.

Date: Wed, 27 Aug 1997 13:35:38 -0500
From: "Jeff M. Gold" <jmg@tntech.edu>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [25624] Kits and supplies
Message-ID: <01BCB2F0.24ADDB00.jmg@tntech.edu>

Someone not too long ago posted this web address:

<http://www.xtronics.com/index.htm>

I checked it out and ordered some items from them. One was a pair of flush cutters for snipping the ends off the bottom side of PCB boards. I had about worn my last pair out. I like these better than any I have used. They are selling for \$3.75 from Transtronics. I also purchased 25 feet of solder wick (I make a lot of mistakes) for \$8.95, it works great.

These were just side items, my main purchase was a RF signal generator for \$28. I have just finished building it and putting it in provided case. this is an inexpensive kit that I hope I can use to inject signals to align my QRP rigs when done. I am planning on writing up something on this when I complete it.

I am in NO WAY associate with this company, I just got the URL from this group and was real glad I did.

72

Jeff, AC4HF

Date: Wed, 27 Aug 97 11:53:00 PDT
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
To: qrp-1@Lehigh.EDU
Subject: [25625] CA Mobile Shootout Results

Here are the California Shootout results cut and pasted from a netnews posting to rec.radio.amateur.antenna by Bart, WB6HQQ
My close to top-ranked non-bugcatcher antenna is described on:
<http://people.delphi.com/CecilMoore>
73, Cecil, W6RCA, 00TC Not speaking for my employer

Begin cut and paste quote:

SANTA BARBARA ANTENNA TRIALS - AUGUST 17, 1997

Here are the results from the 75 meter mobile antenna trials held near Santa Barbara on August 17 1997. The callsigns and names are self explanatory. The numbers, typically between 59.0 and 65.0 are the measured field strength readings in dB. The field strength meter measured the horizontal magnetic field component of the radiated signal at a distance of approximately 800 meters and accurately represents the vertically polarized (electric field) groundwave, which is proportional to the low angle skywave radiation suitable for working DX. The measurements do not necessarily reflect the performance of the antenna system for working short skip (NVIS) but are generally a useful indicator of overall performance. In most cases, the measurements were done at 3995 kHz but we allowed the frequency to be lowered if required to achieve adequate power transfer. The power input to the antenna system was taken as the difference between forward and reflected power as measured with a Bird wattmeter anywhere the operator could provide feedline access, usually at the rig antenna connector. The forward power was typically between 40 and 50 watts and all readings have been normalized. The absolute value of the field strength measurements have no meaning whatsoever but the differences accurately reflect antenna system differences. Note, for 75 meter mobile installations, the vehicle is a major part of the antenna system and the data reflects entire antenna system performance. In some cases, extensive bonding of

body and frame members has been done to reduce losses and improve counterpoise effectiveness. Unless stated, all vehicles were legal to drive with in the state of California with the antenna systems deployed and presumably operable. When the field strength trial began at around 0800, there was a slight drizzle which tended to detune (down frequency) the open air bugcatcher coils by around 20 kHz. The earlier measurements made with the bugcatchers tended to be a couple of tenths of a dB below the later measurements and I believe that to be as a result of water on the coil and not a shift in antenna range calibration. In the past we have found the same equipment to be repeatable to within +/- 0.15 dB or better. The comparisons can be expected to be accurate to +/- 0.2 dB.

RESULTS

CAPACITY HATS: These antennas had capacity hats of some sort for top loading.

K7POF	- BOB	64.8	(1ST RUN)	65.1	(2ND RUN LATER IN THE DAY)
W6MMA	- VERN	64.9			
W6RCA	- CECIL	64.9			
N6BT	- TOM	63.8	(1ST RUN)	64.8	(2ND RUN) 66.0 REAR ASPECT
K6SDQ	- JIM	63.2			
KE6DM	- BOB	63.0			
K6MB	- JAY	59.2			

BUGCATCHER TYPE: Whip only, no top hat.

K7POF	- BOB	63.2
WA6JPR	- WALLY	62.3
WB6HOK	- BART	61.7
K6MB	- JAY	60.4
W6RCA	- CECIL	58.3
W6JEO	- CARL	57.7
W5GYJ	- JIM	57.2
KC6MAJ	- PETER	52.7
WB6ZJA	- JIM	51.9

SCREWDRIVER TYPE: Various manufacturers

KE6ELQ	- FRANK	64.3	DOES NOT MEET VEHICLE CODE - 20' TIP TO GROUND.
W6MMA	- VERN	63.2	
K6RCL	- DENNIS	62.6	
WA6HEY	- JAKE	62.1	
K7EZ	- ROGER	61.9	
KA6TAY	- GREG	61.8	

OTHER:

W6YY -SANFORD 66.7 DOES NOT MEET VEHICLE CODE - 30ft ANT, TOP OF
 MOTORHOME
 WA6JPR - WALLY 61.1 BANDHOPPER
 WA6JPR - WALLY 59.5 BANDSPANNER
 WA6JPR - WALLY 58.3 STAINLESS STEEL FORTEX COIL
 KK5YY - GERALD 56.4 ROOFTOP MOUNTED OUTBACKER WITH TRIPLE MAGNET
 MOUNT
 W6RCA - CECIL 52.2 11.5' WHIP (NO COIL) SGC-230 Autotuner

ADDITIONAL DETAILS:

CAPACITY HATS:

K7POF - CENTER-LOADED, LARGE CAPACITY HAT, WIRES TO FRONT.
 W6MMA - BBS SCREWDRIVER, 5' HAT WITH 18 RADIALS, R. FRONT BUMPER.
 W6RCA - HOMEBREW MID-BACK BUMPER, OVER THE VEHICLE, TOWARD FRONT.
 N6BT - FORCE TWELVE PLUMBER'S DELIGHT ALL AROUND VEHICLE.
 K6SDQ - CENTER-LOADED WITH 42" HAT @ 11 ABOVE COIL. LEFT REAR.
 KE6DM - CENTER-LOADED MID-BACK BUMPER 17" HAT.
 K6MB - LEFT, REAR MOUNT, CENTER-LOADED WITH TWO WIRES TOWARD FRONT.

BUGCATCHER:

K7POF - MASTER MOBILE, LEFT REAR, 7011 BASE, 64" WHIP.
 WA6JPR - BUGCATCHER, MID-BACK BUMPER MOUNT. (NO PAPERWORK)
 WB6HQK - 5.25 INCH DIA COIL ON 2.5 FOOT MAST MOUNTED ON TONNEAU COVER,
 72 WHIP
 K6MB - BUGCATCHER, LEFT REAR.
 W6RCA - TRAILER HITCH MOUNT, 3' BASE, 6X6" COIL, 5' TOP.
 W6JEO - BASE-LOADED, 2x12" COIL, 62.511 TOP, 3.5' GND TO BASE.
 W5GYJ - BASE-LOADED, 8x12" COIL, 7' TOP, 3' GND TO BASE. (GLA COIL)
 KC6MAJ - CENTER-LOADED, ON TRUNK, 3X5" COIL. (HUSTLER COIL)
 WB6ZJA - TEXAS B.C. LEFT ABAFT CAB MOUNT, 16"-HAT 12" ABOVE COIL.

SCREWDRIVER:

W6MMA - AS ABOVE SANS HAT.
 K6RCL - HIGH SIERRA 1000, CNTR-LEFT MOUNT, GMC P.U.
 WA6HEY - W6AAQ ANT., REAR, LEFT MOUNT @ 43" GND TO BASE.
 K7EZ - W6AAG ANT., REAR MOUNT, 36" GND TO BASE.
 KA6TAY - HIGH SIERRA, CNTR REAR BUMPER MOUNT 16" GND TO BASE.

OTHER:

WA6JPR - BANDHOPPER.
 WA6JPR - BANDSPANNER.
 WA6JPR - STAINLESS STEEL.
 KK5YY - OUTBACKER, CNTR-ROOF, MAG-MOUNT.

W6RCA - 11.5' WHIP (NO COIL) TRAILER HITCH MOUNT.

Additional Notes:

KC6MAJ and WB6ZJA apparantly had grounding problems and the results are not typical of similar installations.

These are the final results but updates may occur as additional information becomes available. If you have any additional information or errors to report, please let me know.

If you have any questions please feel free to email me:
bart@wb6hqk.ampr.org

If you're on the west coast, many of those involved can often be found on 3850 kHz from 0730 to 1000 and 3995 kHz from 1700 to 1800 PDT. We would like for you to join us!

bart wb6hqk

Date: Wed, 27 Aug 1997 12:29:46 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: kreinbd@ccgate.dl.nec.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25626] Re: YIKES! - THE MAUNDER MINIMUM?
Message-ID: <3404802A.70CE41FC@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Kreinberg wrote:

> He asks the question: With all the predictions for
> Cycle 23, has anyone brought this phenomenon into account?
> Could this cycle be a bust? Should we sell our stuff and
> take up stamp collecting?

There was speculation about this a while ago, but I think it's unfounded. Look at

http://www.astro.ucla.edu/~obs/150_data.htm

for some data that extrapolates optimistically! I think the beginnings of an upward trend are definitely visible at this point (remember QST has a lead time of several months). Don't sell the 10-meter beams yet,

guys.

Vic K2VCO

Date: Wed, 27 Aug 1997 14:44:21 -0500 (CDT)
From: Bill Morris Denton <bdenton@tenet.edu>
To: qrp-l@Lehigh.EDU
Subject: [25627] Thanks de W5SB
Message-ID: <Pine.OSF.3.96.970827140558.31857A-100000@abernathy.tenet.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

First I would like to apologize to the QRP-l group for putting up with all the nonsense over the "CQC" contest. Next I would offer apologies to the CQC group for the "QRAP" comment that I made after receiving some very disturbing e-mail from some of its members. I'm sure not all CQC members fall in that category as some have indicated.

I would also like to thank the multitude that responded in my behalf. Most of those came through private e-mail channels. It was overwhelming.

Next, my email service crashed last night and I have not received any further posting on the subject since then. I understand many more of you have responded. I not seen them.

Finally, I am told, K0FRP that got all this started has a public and private e-mail posting that I have not seen. So 'FRP send it again I would like to see it.

Lets put the CQC thing to rest and get on with more serious matters that makes a difference.
Look from me in upcoming contest.

Thanks again,
73 to all... Bill Denton-W5SB

Date: Wed, 27 Aug 1997 16:09:37 -0400
From: Ed Pacyna <pacyna@auratek.com>
To: Cecil_A_Moore@ccm.ch.intel.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25628] Re: Help -Toroids with shorted turns

Message-ID: <3.0.16.19970827160935.2edfe7aa@dingle.auratek.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:35 PM 8/22/97 PDT, Cecil A Moore wrote:

>A certain amount of current is induced in each turn of wire on a toroid.

I recall the physics of an inductor to be as follows.

Surrounding a wire, conducting current, is a magnetic field. If this current is alternating, the magnetic field expands and contracts, producing a voltage on the wire which opposes any change in current flow. This opposition to change is called inductance. If the wire were wound or coiled in a manner that would increase the magnetic flux linkage between turns (e.g. solenoid, toroid), the inductance would increase (i.e. smaller form factor).

>If the turn is shorted, the current is high so I^2R losses will be high.
>If the turn were a superconducting wire, it would kill the flux in the
>toroid.

Huh?????

Q is simply $(2 \pi F L) / R$; where at RF, R is the loss due to skin effect. I still can not see how a shorting bar/wire will materially change the Q to any great extent.

The alternative (to not shorting unused turns on a inductor) would be to create an auto-transformer with un-intended ill-effects.

73

Ed, W1AAZ

Date: Wed, 27 Aug 97 16:39:34 EDT

From: Clark Fishman <cfishman@pica.army.mil>
To: qrp-1@Lehigh.EDU
Subject: [25629] Shorted Coils
Message-ID: <9708271539.aa04174@pa1.pica.army.mil>

With all the talk about Q changing when a coil is shorted on a toroid or air wound coil, it hit me that Collins had the solution in their avionics HF autotuner...it has two rotating drums...one insulated and one conducting... to change the inductance the coil wire (actually a ribbon) is shuttled from one drum to the other...so there are no shorted turns on the insulated coil form and the conducting drum has all the unused ribbon

I wonder how efficient this tuner is....I bet it's a winner

Fair Radio usually has these puppies for sale

Clark Fishman WA2UNN GQRP NJQRP cfishman@pica.army.mil

Date: Wed, 27 Aug 97 18:37:56 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-1@Lehigh.EDU
Subject: [25630] 17 open this afternoon
Message-ID: <199708272238.SAA46989@nss2.CC.Lehigh.EDU>

Wow! 17 meters was/is nicely open this afternoon! I quickly worked 4 new countries (OE, SM, YL and GW). Lots of Europe all over the place. There were W5's, W7's and W6's all working Europe also. Sounded like 20 meters!

17 meters sure is neat when it is open!

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)
WIMPS: Qs=263 30m=236 17m=26 12m=01, States=28/06/00, DX=059/19/01

Date: Wed, 27 Aug 1997 15:16:40 -0700
From: torell@sicom.com (Kent Torell)
To: qrp-1@Lehigh.EDU
Subject: [25631] bubba prop
Message-ID: <v02130501b02a5434dfa0@[192.91.202.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

So, when and where is the best way to get those extra bubba bonus points?

Floyd, operating NQ7RP, will be on 20 and 40 (well, 20 for sure).
Propagation looks nice and stable for the weekend, with sunspot numbers
climbing up to 30! (this is the highest I've ever operated with!)

40 meters will provide a good path to bubba-central from california,
nevada, utah, colorado, new mexico and west texas for the duration of the
contest.

20 meters will provide solid contacts for the locations beyond those listed
above, out to a line from ohio down to alabama, and including mexico city.
The propagation to the east coast will be opening up towards the end of the
contest, so there should be lots of east coast bubba opportunity come 2230
:-)

Kent Torell torell@sicom.com 602-607-4852
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A scQRPion 6,qrp-l 57,ARCI 9075 DM33xn 33.55 N 112.078 W

End of QRP-L Digest 830
